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# THORBURN'S

40.

High Class

# SEEDS



*J. M. Thorburn & Co.,*

33 BARCLAY STREET, }  
38 PARK PLACE, } NEW YORK CITY.

# Complete Assortments of Kitchen-Garden Seeds for Private Families

These assortments contain only the choicest sorts, and are sure to give satisfaction. They are prepared in advance in order to facilitate our work, on which account a considerable reduction from the catalogue prices is made. The reduced price will not be allowed unless the assortment is taken without change.

## No. 1. PRICE, \$2.50; BY MAIL OR EXPRESS, \$2.75

1 pt. Beans, Refugee Green Pod.	1/2 pt. Corn, Perfection Sugar.	1 pa. Onion, White Globe.
1 " " Golden Wax.	1/2 " " Stowell's Evergreen.	1 " " Large Red Globe.
1 pa. Beet, Egyptian.	1 pa. Cucumber, Imp. White Spine.	1 " " Parsley, Extra Curled.
1 " " Globe.	1 " Eggplant, Imp. N. Y. Purple.	1 pt. Peas, Thor. Ex-e'y Market.
1 " " Cabbage, Early Wakefield.	1 " Kohlrabi, Early White Vienna.	1 " " Wrinkled Our Selection.
1 " " Red, for Pickling.	1 " Leek, Best Flag.	1 oz. Radish, Scarlet Turnip.
1 " " Carrot, Half-long.	1 " Lettuce, Big Boston.	1 " Spinach, Viroflay.
1 " " Cauliflower, Thor. Gilt Edge.	1 " " Cos, or Romaine.	1 pa. Tomato, Stone.
1 " " Celery, White Plume.	1 " Melon, L. I. Beauty.	1 oz. Turnip, Milan.
1/2 pt. Corn, Early Bantam.	1 " " Water, Black Spanish.	

## No. 2. PRICE, \$5; BY MAIL OR EXPRESS, \$5.50

1 pt. Beans, Refugee Green Pod.	1 oz. Cress, or Pepper Grass.	1 oz. Parsnip, Hollow Crown.
1 " " Early Valentine.	1 " Cucumber, Imp. White Spine.	1 pt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	1 pa. Eggplant, New York Purple.	1 " each Peas, Two Best Wrinkled,
1/2 " " Stringless Green Pod.	1 " Kohlrabi, Early White Vienna.	Our Selection.
1 " " Challenger Lima.	1 " Leek, Best Flag.	1 pa. Pepper, Chinese Giant.
1 oz. Beets, Egyptian.	1 " Lettuce, Big Boston.	1 oz. Radish, White Tipped.
1 " " Globe.	1 " " May King.	1 " " Scarlet Turnip.
1 pa. Cabbage, Early Wakefield.	1 " " Cos, or Romaine.	1 " " Scarlet Globe.
1 " " Savoy.	1 " " Giant Crystal Head.	1/2 " Salsify, Thorb. Imp. Thick-r't'd.
1 " " Red, for Pickling.	1 " Melon, Nettle Gem.	1 lb. Spinach, Viroflay.
1 oz. Carrot, Half-long.	1 " " Long Island Beauty.	1 pa. Squash, E'y Bush C'kneck.
1 pa. Cauliflower, Thor. Gilt Edge.	1 " " Water, Sugar Stick.	1 " " Hubbard.
1 " " Thor. Snowball.	1 " " Black Spanish.	1 oz. " Boston Marrow.
1 " " Celery, White Plume.	1 oz. Okra, Perkin's Improved.	1 pa. Tomato, Early June Pink.
1 " " Fin de Siecle.	1/2 " Onion, White Globe.	1 " " Stone.
1 pt. Corn, Early Bantam.	1/2 " " Large Red Globe.	1 oz. Turnip, Milan.
1 " " Country Gentleman.	1 pa. Parsley, Extra Curled.	1 " " Yellow Stone.
1 " " Stowell's Evergreen.		

## No. 3. PRICE, \$10; BY MAIL OR EXPRESS, \$11

1 qt. Beans, Refugee Green Pod.	1 qt. Corn, Country Gentleman.	2 ozs. Parsnip, Hollow Crown.
1 pt. " Early Valentine.	1 " " Stowell's Evergreen.	1 qt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	1 oz. Corn Salad, Large Seeded.	1 pt. each Peas, Four Best Wrinkled,
1 " " Stringless Green Pod.	2 " Cress, or Pepper Grass.	Our Selection.
1 " " Old Homestead.	1 " Cucumber, Imp. White Spine.	1 pa. Pepper, Chinese Giant.
1 " " Challenger Lima.	1 pa. Eggplant, Imp. N. Y. Purple.	2 oz. Radish, White Tipped.
2 ozs. Beet, Egyptian.	1/2 oz. Endive, Green Curled.	2 " " Scarlet Turnip.
2 " " Globe.	1/2 " " Broad-leaved.	1 " " Early White Turnip.
2 " " Half Long.	1/2 " Kohlrabi, Early White Vienna.	2 " " Scarlet Globe.
1 pa. Brussels Sprouts, Half Dw'f.	1 pa. Leek, Best Flag.	1 " " Chinese Winter.
1 oz. Cabbage, Early Wakefield.	1 oz. Lettuce, Big Boston.	2 " Salsify, Thor. Imp. Thick-r't'd.
1/2 " " Early Spring.	1/2 " " May King.	1/2 lb. Spinach, Viroflay.
1/2 " " Savoy.	1/2 " " Cos, or Romaine.	1 pa. Squash, E'y Bush Cr'k-neck.
1/2 " " Thor. Priv. Stock	1/2 " " Giant Crystal Head.	1 pa. " Hubbard.
1/2 " " Red, for Pickling.	1 pa. Melon, Long Island Beauty.	1 oz. " Boston Marrow.
1 " " Carrot, Early French Forcing.	1 " " Nettle Gem.	1 pa. Tomato, Early June Pink.
1 " " Half Long.	1 " " Water, Sugar Stick.	1 " " Stone.
1/2 " Cauliflower, Thor. Gilt Edge.	1 " " Water, Black Spanish.	1 " " Beauty.
1/2 " " Thorburn Snowball.	2 ozs. Okra, Perkin's Improved.	1 " " Royal Red.
1 pa. " " "	2 " Onion, Yellow Danvers.	1 oz. Turnip, Thor. Fam. Rutabaga.
1/2 oz. Celery, Fin de Siecle.	1 " " Large Red Globe.	1 " " Milan.
1/2 " " White Plume.	2 " " White Globe.	1 " " Yellow Stone.
1 pa. " Golden Self-blanching.	1 " Parsley, Extra Curled.	1 pa. each Herbs, Five Varieties.
1 qt. Corn, Early Bantam.		
1 " " Perfection Sugar.		

## No. 4. PRICE, \$18; BY MAIL OR EXPRESS, \$20

2 qt. Beans, Refugee Green Pod.	2 qts. Corn, Perfection Sugar.	4 ozs. Parsnip, Hollow Crown.
2 " " Early Valentine.	2 " " Country Gentleman.	1 qt. Peas, Thor. Ex-e'y Market.
1 " " Golden Wax.	3 " " Stowell's Evergreen.	7 qts. Peas, Four Best Wrinkled,
1 " " Stringless Green Pod.	4 ozs. Corn Salad, Large-seeded.	Our Selection.
1 " " Old Homestead.	4 " Cress, or Pepper Grass.	1/2 oz. Pepper, Chinese Giant.
1 " " Challenger Lima.	2 " Cucumber, Imp. White Spine.	1/2 " " Sweet Salad.
4 oz. Beet, Egyptian.	1/2 " Eggplant, Imp. N. Y. Purple.	4 " Radish, White Tipped.
4 " " Globe.	1 " Endive, Green Curled.	4 " " Scarlet Turnip.
4 " " Half Long.	1 " " Broad-leaved.	4 " " Early White Turnip.
1/2 " Brussels Sprouts, Half Dwarf.	1 " Kohlrabi, Early White Vienna.	2 " " Scarlet Globe.
1/2 " Cabbage, Early Wakefield.	1 " Leek, Best Flag.	2 " " Chinese Winter.
1/2 " " Early Spring.	1 " Lettuce, Big Boston.	4 ozs. Salsify, Thor. Imp. Thick-r't'd.
1/2 " " Savoy.	1 " " May King.	1 lb. Spinach, Viroflay.
1/2 " " Thorburn Private	1 " " Cos, or Romaine.	1 oz. Squash, Early Bush Crookneck.
1/2 " " Stock Flat Dutch.	1 " " Giant Crystal Head.	1 " " Hubbard.
1/2 " " Red, for Pickling.	2 " Melon, Nettle Gem.	1 " " Boston Marrow.
4 " Carrot, Early French Forcing.	2 " " Long Island Beauty.	1/2 " Tomato, Early June Pink.
4 " " Half Long.	2 " " Water, Sugar Stick.	1/2 " " Stone.
1/2 " Cauliflower, Thor. Gilt Edge.	2 " " Water, Black Spanish.	1 pa. " Beauty.
1/2 " " Thorburn Snowball.	2 " Okra, Perkin's Improved.	1 " " Royal Red.
1 pa. " " "	2 " Onion, Yellow Danvers.	2 ozs. Turnip, Milan.
1 oz. Celery, Fin de Siecle.	4 " " White Globe.	2 " " Yellow Stone.
1 " " White Plume.	4 " " Large Red Globe.	1 " " Thor. Fam. Rutabaga.
1 " " Golden Self-blanching.	2 " Parsley, Extra Curled.	1 pa. each Herbs, Five Varieties.
2 qts. Corn, Early Bantam.		

# J. M. THORBURN & CO.

## ONE-HUNDRED-AND-ELEVENTH ANNUAL CATALOGUE OF

# HIGH-CLASS SEEDS



THIS is our One-Hundred-and-Eleventh successive Annual Catalogue. We are growers and importers of High-Class Seeds, Bulbs and Roots only.

*It is important that orders be sent on receipt of this Catalogue, instead of waiting till the spring, when we are so busy that there is sometimes unavoidable delay in filling them, even by night work.*

**Cultural Directions.**—These apply to the climate of New York and vicinity. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves to gardeners.

**When desired**, we will select suitable seeds if the size of garden or the sum proposed to be expended is stated.

**Orders** should be written on our order sheet or on a blank sheet separate from letter, *preferably in ink*, and to receive prompt attention should be directed to the firm, and not to individuals. Orders from new customers should be accompanied by a remittance in the form of a Post Office or Express Money Order, Bank Check or Bank Bills.

**PRICES.**—The prices quoted are net, and do NOT include free transit, EXCEPT FOR SEEDS IN PACKETS, OUNCES or QUARTER-POUNDS, on which WE pay postage or expressage anywhere in the U. S.

**Seeds by Mail or Express.**—8 cents per pound should be added if wanted by mail or prepaid express in the United States, and 16 cents per pound in Canada, except for seeds ordered by the packet, ounce or ¼ lb., which we mail free. By special arrangement with the express companies we can ship seeds and bulbs at a reduction of 20 per cent from the regular rates. Unless otherwise instructed, we send orders from parties unknown to us, C. O. D.

*It sometimes happens that certain articles are not ready when the bulk of the goods ordered is shipped. In such cases, rather than hold back the whole order, we send what is ready and keep a memorandum of what is to follow when available. Customers would, therefore, in such cases, do well to await our advices or invoices before writing in regard to items not sent them.*

**Name, Address, etc.**—We beg our correspondents to give us on **each order the correct name and address**; also to indicate *very precisely* the means of carriage which they prefer, **mail, express or freight**, and the office or railroad station which best serves their locality. In case these directions are not followed out, or if they are not sufficient, we shall ourselves choose the most advantageous and convenient means, but entirely at the risk of the customer.

**Warranties.**—Seeds of best quality will often fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. *More failures result from disregard of the conditions necessary to germination than from inferiority of the seeds used.*

These conditions are: a proper temperature, sufficient moisture, and free access of air. Besides these, the soil must be in proper condition, and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone. Seeds differ greatly as to the temperature required for germination. Beets, Cress, Peas, etc., germinate rapidly at a temperature of 45°; but if Melons and other seeds of that family, bush or pole Beans, and other plants of subtropical origin, are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing. The second condition, proper moisture, is likely to be violated by an excess rather than by too small a portion. The proper amount is that which a well-drained soil will naturally hold. Free access of air is all-important, and this is interfered with by an excess of water in the soil. In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it forms roots below ground and leaves above, and is able to sustain itself. Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continuous drying wind, may check their growth, or destroy them altogether. In addition, there are numerous insects, both below and above ground, that may attack the plants, some of them being so small that they often destroy a crop before they are discovered. *We may also mention the well-known tendency of many vegetables to revert to their original types, notwithstanding the care of the seed-grower, the yellow-podded wax Beans becoming green, the yellow and white Celery becoming more or less green, dwarf Peas becoming running sorts, etc.*

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

F. W. BRUGGERHOF, President  
E. E. BRUGGERHOF, Vice-President and Treasurer  
A. PROTIN, Asst. Treasurer  
J. J. WILSON, Secretary

**J. M. Thorburn & Co.**  
New York

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMPANY  
Telephone No. 6445 and 6446 Barclay. Private Exchange connecting all departments



PORTION OF OUR TRIAL-GROUNDS

## Directions for the Cultivation of Vegetables

To secure a good crop of vegetables, three things at least are necessary; viz., a suitable soil, pure seed and clean culture. The exposure for a vegetable-garden should be south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being about the best. If the soil be stiff, it should be gradually mellowed by the free use of barnyard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile; but, if possible, a location should be selected naturally dry and free from surface water.

A dark-colored soil, or one supplied with a goodly portion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or subsoiling, unless manure and money both be abundant. A sandy soil may be greatly improved by adding vegetable mold from the woods. To produce the best results, the vegetable garden should have at least one foot of good, rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, especially evergreens, sufficiently far off, afford a valuable protection on the north and west.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes, onions, and a few other things, may form exceptions to this rule. Every year the beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. From seed sown in drills, larger crops from a given surface are grown, and cultivation is simple and comparatively easy. The space between the drills, and other special information, is given in the body of the Catalogue; the least distance is named, in order to economize space; it might be increased in some cases to advantage. The ground should be frequently hoed, to kill the weeds, and to keep the soil mellow; and the proper time to hoe is just when the weeds appear above the ground.

**Much time may be gained** by starting certain kinds of plants in a hotbed, or even in a coldframe, the latter being a convenient thing, even on a small place. The hotbed is chiefly intended for raising early Tomatoes, Eggplants, Peppers, Cabbage, Cauliflower, Lettuce, etc., but as all these plants can now be bought cheaply of the seedsmen at the proper time, the expense and labor of a hotbed may be dispensed with, especially on small places.

**To prepare a coldframe.**—The coldframe is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the winter with salt hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 to 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hotbed is good for the purpose. The frame is prepared in fall, and young Cabbage, Cauliflower, and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some 8 or 10 days later. The young plants will be ready to transplant in about 25 to 30 days. During the cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce, and Radish may be sown in a coldframe in the spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

### Directions for Making a Hotbed

In the vicinity of New York, from the first to the latter part of March is quite early enough to make a hotbed. The time must vary according to the latitude. Provide a quantity of fresh horse-manure from the stables, and add to this, if they can be had, one-third to one-half of its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed, even in severely cold weather. In two or three days, fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain two or three days longer, or until the second fermentation commences. Make an excavation or pit 2½ feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be made in some dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3 x 6 feet, and one or two sashes will give early plants enough for a small family. The frame for sashes should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Cross-pieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames. When every thing is ready, the manure is placed in the pit and trodden down firmly in layers to the required depth, 2 to 2½ feet. Then put on the sashes, and keep the pit closed until the heat arises. At first it will probably be 100° or more, which is too hot to sow the seed in; but in two or three days it will subside to 90° or a little less, when the soil may be put on to the depth of 6 to 8 inches. The heat may be readily ascertained by plunging a thermometer into the manure. The soil should be of well-rotted sod (or common garden soil will do), mixed with about a third of fine old manure; and in this the seeds may be sown thinly in drills 2 to 3 inches apart and afterward (as soon as out of the seed-leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back. Water with tepid water whenever necessary, and during cold nights and snow-storms keep covered with mats or board shutters. Tomatoes, Peppers and Eggplants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat. The same directions may apply to hotbeds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.

### HOTBED MATS

For covering sashes. Made of jute, stitched through; hemmed with canvas and thickly padded; size, 76x76 in. One mat covers two sashes.

	Each	Per doz.
No. 1. Both sides jute.....	\$1 50	\$16 00
No. 2. One side jute, the other waterproof duck.....	2 00	22 00

### HOTBED SASH

Best quality. *Packing extra, at cost.*

<b>Unglazed.</b> 3x6 feet.....	1 20	13 00
<b>Glazed.</b> 3x6 feet; 10x12 glass.....	3 50	38 00
<b>Mastica for glazing,</b> qt. 40 cts., gal. \$1.35.		
<b>Mastica Glazing Machines,</b> \$1.25 each.		
<b>English Glazing Putty,</b> \$1.75 gal., 5 and 10 gal. buckets at \$1.60 per gal.		

# Novelties and Specialties in Vegetable Seeds

## Carpinteria Pole Lima Bean

A large-seeded bean, much thicker than the ordinary pole Lima. The vine is of vigorous growth, with many large branches or runners. The pods are very large and are closely filled with large, plump beans of excellent flavor. The pods contain from three to four beans, a large proportion having four, and are produced in great abundance. Pt. 25 cts., qt., 45 cts.,  $\frac{1}{2}$ pk. \$1.50, pk. \$2.50

## Thorburn's New Model Beet

The finest table variety of all; tender, solid and crisp flesh; of fine flavor. The color is a dark blood-red; almost globular in shape. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

## Swiss Chard, Lucullus

The plants grow about two and one-half feet tall. The stalks are thick and broad and about ten inches long below the leaf. These stalks are delicious when cooked and served like Asparagus. The large leaves are heavily crinkled, tender and of fine flavor. The leaves are cooked and served like Spinach. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

## New Early Cabbage, Copenhagen Market

### GENUINE DANISH-GROWN SEED

Undoubtedly the finest, large, round-headed early Cabbage. The heads average about ten pounds each in weight, are very solid, and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves light green, rather small, and always tightly folded. The plants, therefore, can be set closer together than is usual with varieties of similar size. Pkt. 15 cts., oz. 60 cts.,  $\frac{1}{4}$ lb. \$2, lb. \$7.

## Jersey Wakefield Cabbage

### THORBURN'S SELECTED STOCK

Undoubtedly the finest strain of this most popular well-known early variety in cultivation. The heads are extremely solid, pyramidal in shape, with very little outside foliage. Pkt. 10 cts., oz. 30 cts.,  $\frac{1}{4}$ lb., 85 cts., lb. \$3.

## Enkhuizen Glory Cabbage

Large early sort, white and very solid. Produces fine ball-shaped heads and combines large size with earliness as no other early cabbage does. A fine market sort. One of the best. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

## Thorburn's Gilt Edge Cauliflower

Best and surest of all. Produces large, heavy, solid white heads of finest quality. Undoubtedly the best variety. Pkt. 25 cts., oz. \$2.25,  $\frac{1}{4}$ lb. \$7.50.

## Thorburn's Noroton Selected White Spine Cucumber

A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine-grained, tender and of delicious flavor. Vigorous healthy grower. A splendid sort for the home garden and absolutely without an equal for market. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$ lb. 65 cts., lb. \$2.

## Golden Cream Sweet Corn

### A CROSS OF COUNTRY GENTLEMAN ON GOLDEN BANTAM

A very early yellow Country Gentleman Sweet Corn. The kernels are long and pointed, the cob is very slender and the whole ear about as long as Golden Bantam. The habit of growth is rather dwarf and the stalks bear two to four ears. It is among our earliest varieties; the color at eating stage is a rich cream, cooking to a light golden yellow. Pkt. 10 cts.,  $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

## Extra-Early Nordheim Sweet Corn

The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 feet high, each bearing three to four nearly perfect ears of finest quality. On style of Minnesota but far exceeding that variety in earliness and productiveness. Pt. 25 cts., qt. 40 cts.,  $\frac{1}{2}$ pk. \$1.25, pk. \$1.75.



### **Lettuce, "Rheingold"**

Very large solid heads of pure golden yellow, a most desirable color. Stands the heat well and can be sown all through the summer. It comes next to May King in earliness. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$ lb. 50 cts.

### **Cos Lettuce, Golden Yellow**

Produces bright golden yellow leaves and large solid hearts, crisp and tender and of excellent flavor. It stands a long time before running to seed. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts.

### **Red Cos Lettuce**

A very attractive variety, productive and unusually slow in running to seed. The head of the full-grown plant is tall and entirely green with the exception of a brown-red tinge on top. The outer leaves are long, rounded at the ends and deeply colored red-brown. It usually heads well without tying. Pkt. 5 cts., oz. 20 cts.,  $\frac{1}{4}$ lb. 50 cts.

### **Hybrid Casaba Muskmelon**

A vigorous grower and an enormous yielder. It produces melons of large size averaging 8 to 10 inches in diameter and of unsurpassed flavor. The skin is green until the plants begin to ripen, when it turns to a light yellow. The flesh is white, rich and luscious and from 2 to 3 inches thick. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$ lb. 75 cts.

### **Denia Onion (GENUINE IMPORTED)**

We have been fortunate in securing a small quantity of seed of this valuable Onion which was offered by us last year for the first time in America.

It is generally conceded that this is the parent type of the well-known Prizetaker, of which, however it is a far superior strain. It runs more uniform in size and is a more characteristic globe. The bulb is more compact and its rings or layers of growth are thinner. Generally the neck is smaller than Prizetaker and it seems to ripen down somewhat earlier. Pkt. 15 cts., oz. 75 cts.

### **New Early Dwarf Pea, "Peter Pan"**

"Peter Pan," introduced last year, has proved itself to be, without doubt, the finest and earliest dwarf wrinkled Pea yet introduced. It is a tremendous cropper, producing long, dark green pods filled with peas of exquisite flavor. The plants (covered with pods) are robust in habit, and it will certainly become a favorite dwarf early Pea. Height  $1\frac{1}{2}$  feet. Trial pkt. 25 cts.

### **Saxonia Pea**

Has proved a brilliant success as the first white-seeded, extra-early round Pea with large pods, and as big a yielder as the best main-crop varieties. Trial pkt. 25 cts.

### **Tomato, "Dwarf Giant"**

The largest fruited of all dwarf sorts. The fruits are very large and remain uniformly so throughout the season. They are produced in clusters of from four to six. The color is a rich purple-crimson well maintained throughout the entire fruit. The flesh is firm and of delicious flavor, entirely free from acidity. The plants grow two feet high and form compact bushes very strong and vigorous. The foliage is dark green. Ripens about mid-season. Pkt. 15 cts., oz. 60 cts.,  $\frac{1}{4}$ lb. \$1.75.

### **Carter's Sunrise Tomato**

Early and exceedingly productive. The fruits are medium size, bright scarlet in color, uniformly smooth. It contains very few seeds, and being unusually solid it is particularly fine for slicing. Valuable for forcing or for outdoor culture. Pkt. 15 cts., 2 for 25 cts., oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.50.

### **Comet Tomato**

A fine, rich scarlet-red variety, of matchless form; recently introduced. The fruit is smooth and round and is produced in great abundance. It is equally valuable for forcing or for growing outdoors. Pkt. 15 cts., oz. 40 cts.

### **Montesson Winter Turnip**

A splendid new purple-top, pure white winter variety. Can endure a certain amount of frost and on that account can be left in the ground at least during the early part of the winter. The flesh is fine and sweet and of almost perfect quality. A very valuable table variety. Pkt. 10 cts., oz. 25 cts.,  $\frac{1}{4}$ lb. 75 cts.

# Flower Seed Novelties and Specialties of Merit

## New Double Camellia-flowered Giant Begonia (hhA)

(Tuberous-rooted)

This may fairly be called the most striking and remarkable of all double-flowering Begonias. The plants are strong, luxuriant growers, producing their flowers most abundantly on erect stems, qualities which render it a first-class bedder. Sowings of Camellia-flowered Begonias produce 95 per cent double-flowering plants, nearly all of which come true to type. The very double flowers, measuring 4 to 5 inches across, vary in color from vivid rose to carmine and even scarlet. Though generally edged, some of them are beautifully mottled. They are of such perfect and true Camellia-shape that they may almost be taken for Camellias. Pkt. 30 cts., 2 for 50 cts.

## Calceolaria hybrida, "Golden Glory"

As a greenhouse plant this new variety is invaluable, and the English introducer describes it as a hardy herbaceous perennial, claiming the plants to have withstood over 20 degrees of frost. It continues long in bloom and its glorious color makes it a striking acquisition. Pkt. 30 cts., 2 for 50 cts.

## Carnation English Feathered Pink, Double Perfection (hhP)

A new superb race of Feathered Pinks producing enormous perfectly double flowers, clear white in the center of the petal, but bordered deep crimson.

Splendid for borders or for cut-flowers. Comes true from seed. Pkt. of 20 seeds 30 cts.



NEW DOUBLE CAMELLIA-FLOWERED BEGONIA

## Celosia Ostrich Plume, Pride of Castle Gould (hA)

(*Celosia pyramidalis plumosa hybrida*  
Castle Gould)

An entirely distinct type of *Celosia pyramidalis plumosa*. Of upright compact growth, 2 to 3 feet high, with large fine feathered heads in many variations of shades and self colors. Among the more distinct colors will be found Blood-red, Carmine, Deep Scarlet, Wine-red, Salmon, Yellow and Orange. Valuable either as a pot-plant or for bedding for sunny situations. Pkt. 25 cts., 2 for 45 cts.

## Chrysanthemum Indicum— New Single Early-Flowering and Hardy Hybrids (hP)

A valuable new mixture, fine for cutting, for bedding or for pot culture. The plants grow from 12 to 15 in. high, and produce their splendid Marguerite-like flowers, as large as silver dollars, in July. The predominating colors are white, yellow, pink, and red. Flowers the first season from seed if sown in February or March. Pkt. 25 cts., 2 for 40 cts.

## Dimorphotheca aurantiaca

AFRICAN ORANGE, or TRANSVAAL DAISY (hA)

A rare and extremely showy annual from Namaqualand, South Africa, of very easy culture. The plants of neat, branchy habit, grow about 12 to 15 inches high and are exceedingly profuse in flowering. Its Marguerite-like blossoms, show a unique glossy rich orange-gold, with dark-colored disc surrounded by a black zone. Well adapted for groups or borders; flowers very early planted in the open ground in sunny situations and will continue to flower during the summer. Plant in soil not over rich. Pkt. 10 cts.

## Dimorphotheca aurantiaca hybrida

NEW SELECTED HYBRIDS IN SPLENDID MIXTURE (TRANSVAAL DAISY) hA

In habit, growth and foliage, as well as in the height of the plant (12 to 15 inches) and the size of the flowers (2½ to 2¾ inches across), these new hybrids are like the parent *Dimorphotheca aurantiaca*. They vary in color from the purest white to reddish and bluish white tints; sulphur-, lemon- and bright

**Dimorphotheca aurantiaca hybrida, con.**

golden-yellow; light orange and reddish yellow changing to pale salmon-rose, and from tender salmon to deep salmon-orange. Also varieties with different colored zones, such as white with a broad sulphur-yellow zone, and soft salmon with a deep salmoned inner circle. Very easily raised from seed. Pkt. 25 cts., 2 for 45 cts.

**Eschscholtzia Thorburni (hA)**

The grandest of all Eschscholtzias and an improvement on our own original stock. In habit it is the same as the California Eschscholtzia, commonly called California Poppy, but it is decidedly distinct in its coloring, which might almost be described as barbaric in splendor. The unopened buds are of the richest deepest possible crimson, toning down in the inner side of the flower when fully matured to bright flame-color and molten gold. The flowers are larger than those of other Eschscholtzias and are borne with equal profusion. Pkt. 10 cts.

**Gypsophila paniculata flore pleno (hP)**

By repeated artificial crossing of the double-flowering variety and the single-flowering type, seeds of this handsome perennial have been obtained which produce about 50 per cent of double-flowering plants. The flowers are of the purest white and are indispensable for bouquets and vases. Pkt. 30c., 2 for 50c.

**Linaria macedonica speciosa (hP)**  
**(Toadflax)**

Strikingly handsome, hardy perennial Toadflax, a native of the Orient, blooming freely the first year when sown early. Grows 2½ to 3 feet in height, forming very robust and vigorous-growing plants, garnished with glaucous-green foliage and producing their tall flower spikes in the greatest abundance. The individual flowers, borne in dense racemes, are one inch across and nearly two inches long, including the spur, and present a clear citron-yellow color with large orange-yellow spot on the lower lip. As the flowers last a long time in bloom, they are highly recommended for cutting. Pkt. 20 cts. each, 2 for 35 cts.

**Lobelia tupa (Devil's Tobacco)**

A splendid perennial plant, only within the last year or two introduced in America. Resembles in some respects a gigantic *Lobelia cardinalis*. It attains a height of 8 to 10 feet, and produces in great abundance curious beaked scarlet flowers about 2½ inches in length, and large, pale green handsome foliage. Pkt. 20 cts. each, 2 for 35 cts., 6 for \$1.

**Myosotis alpestris elegantissima coerulea flore pleno****(Double Blue Forget-me-not) (hP)**

A new double-flowered variety of the blue pyramidal Alpine Forget-me-not, coming nearly true from seed. Height of the plant 8 to 9 inches. The double flowers preserve their freshness for a long time. Pkt. 30 cts., 2 for 50 cts.

**Myosotis, Ruth Fischer (hP)**

This novelty appears likely to supersede those popular Forget-me-nots, "Love Star" and "Blue Perfection," since it happily unites the good qualities of both sorts. It is of particularly neat and compact habit and the very lovely flowers shoot up strong over the glossy dark green foliage. Displayed in large corymbs, they measure about half an inch across and are therefore larger than those of any *Myosotis* hitherto known. The color is a pure Forget-me-not blue. It can easily be forced and is excellent for cutting and for hanging baskets. Owing to its extreme hardiness it is valuable for spring bedding in the open ground. This splendid Forget-me-not took first prizes at the shows at Mannheim, Dresden, Ghent, and Berlin. Pkt. 25 cts.



DIMORPHOTHECA AURANTIACA (see page 6)



VIRGINIAN POPPY

## Moonflower, New Early Blooming "Sky-Blue"

**IPOMOEA GRANDIFLORA RUBRO-COERULEA, EARLY FLOWERING**

This entirely new strain produces gorgeous flowers, from four to five inches across, in great abundance. The color is a lovely sky-blue with rose colored markings. It grows very fast, from fifteen to eighteen feet in height, and will be found most valuable for trellises, walls, arbors, etc. Sown in February or March in boxes or in hotbeds, the young plants may be set out in April or May in a sunny situation, where they will flower from the end of June until frost. The flowers remain open all day. Pkt. 15 cts., 2 for 25 cts.

## Nasturtium Tom Thumb Spencer, Anna Groot (hA)

Distinguished by its peculiar wavy dark-green foliage different from any known variety. The plants grow very compact and produce fine large velvety purple scarlet flowers on long stems contrasting strikingly with its magnificent foliage. Comes true from seed. Pkt. 10 cts.

## Nasturtium Tom Thumb Spencer, Riemke Groot (hA)

Same as above but with bright scarlet flowers. Pkt. 10 cts.

## Virginian Poppy (hA). *Papaver somniferum*

This new large-flowering single Poppy produces beautiful large white flowers with fringed soft pink edges. It is especially recommended for cut-flowers, for they last long in vases especially when cut in the morning before they are fully blown. Pkt. 15 cts., 2 for 25 cts.

## Physostegia Virginica compacta rosea (hP)

This Erica-like flowering plant may be classed as one of the finest herbaceous sorts for border and for bedding alike. It is more compact than the ordinary variety and produces larger flowers more abundantly. Pkt. 25 cts., 2 for 45 cts.

## Salvia splendens grandiflora aurea "Canary Bird"

A valuable addition to the already existing shades of this indispensable bedder. Only the yellow has been wanting up to the present to complete the range of colors, so that this may well be described as the missing link of the Sages. The large, erect flower spikes, of a decided canary-yellow, are borne in great abundance and carried well above the dark green foliage, with which it contrasts admirably. Pkt. 30 cts.

## Salvia splendens grandiflora, Scarlet

### Thorburn's Best of All

A new, very large-flowered strain, of the popular Scarlet Sage, growing  $3\frac{1}{2}$  feet high, and producing innumerable fine full spikes of the most intense bright scarlet, slightly curved upward, and borne well above the leaves, contrasting strikingly with them. Pkt. 30c.

PHYSOSTEGIA VIRGINICA COM-  
PACTA ROSEA

DOUBLE WHITE SNAPDRAGON

## Snapdragon, Double White (hP)

A new departure in the class of tall large-flowering Snapdragons. The flowers are white and are borne on long spikes which are literally covered. Out of the mouthlike aperture in the flowers, between the upper and lower lips, emerge abnormal fantastic petals which give a double and beardlike aspect to the very large blooms. This phenomenon is in evidence in from 50 to 60 per cent of the seedlings, the remainder producing perfect flowers, of extra size. Of great value as cut-flowers for vases. Pkt. 25 cts.

**Schizanthus retusus trimaculatus****albus** (hA)

A new attractive variety of this showy annual, 1½ to 2 feet in height, and coming true from seed. The flowers are 1½ to 1¾ inches across, and each petal bears on a white ground a large pure golden yellow, somewhat lighter veined, spot, edged with pure white, presenting a three-blotched flower of characteristic marking. Of great effect for flowering groups and very useful as a pot-plant for the greenhouse or conservatory. Pkt. 20 cts., 2 for 35 cts.



SCHIZANTHUS RETUSUS TRIMACULATUS ALBUS

**Senecio elegans pomponicus citrinus**

(hA)

This charming new variety of the dwarf pompon Jacobæas grows to a height of 8 to 9 inches and produces perfectly double bright citron-yellow flowers. Valuable for borders or groups and for carpet bedding. Pkt. 20 cts., 2 for 35 cts.

**Large-flowering Winter Stock****White Lady** (hhA)

This is in every respect the equal of its parent Empress Elizabeth and produces strikingly large and very double flowers of a lustrous snowy white. Grows about 20 inches high and throws up a massive central spike like that of a Tree Wallflower, branching freely in candelabra fashion, finally assuming the shape of a pyramidal bouquet. In comparison with other Winter Stocks White Lady blooms early and remains longer in flower; it will produce 60 to 65 per cent of double blooms and certainly surpasses in beauty any White Stock yet introduced. Pkt. 30 cts.



LARGE-FLOWERING WINTER STOCK, WHITE LADY

**Verbena, New Giant-flowered in****Splendid Mixture** (hA)*(Verbena hybrida gigantea)*

These new Giant-flowered Verbenas excel all other varieties hitherto known by the noble size and shape of the flower, by their rich display of colors and tints and by the fact that they come quite true from seed. This novelty contains a large percentage of reds in various shades, such as Tyrian-rose, purple-garnet, Turkey red, geranium-red, bright rosy scarlet, etc. The florets are enormously large with brilliant white eyes, giving to the flower a most striking appearance. Pkt. 25 cts., 2 for 45 cts.

**Verbena hybrida nana compacta****vesta** (hA)

A remarkably showy dwarf Verbena, forming pretty round bushes of upright growth. Flowers large, carmine-scarlet with white centers; abundant. Pkt. 15 cts., 2 for 25 cts.

**Zinnia, Double Giant** (hA)*Zinnia grandiflora robusta plenissima*

A new and distinct class of this ever-popular flower, producing large very double blooms from 4½ to 6 inches in diameter. We offer three distinct colors viz: Sulphur yellow, Crimson and Violet. Pkt. 20c., each color, 2 for 35c.

**GLADIOLI PRIMULINUS HYBRIDS****(BULBS). Very Choice**

Extremely vigorous and healthy growers, blooming in July and August. Grow 3 to 5 feet high, with long spikes of richly colored blooms, varying from clear yellow to crimson, the latter with soft orange throats. 20 cts. each, \$2 per doz.

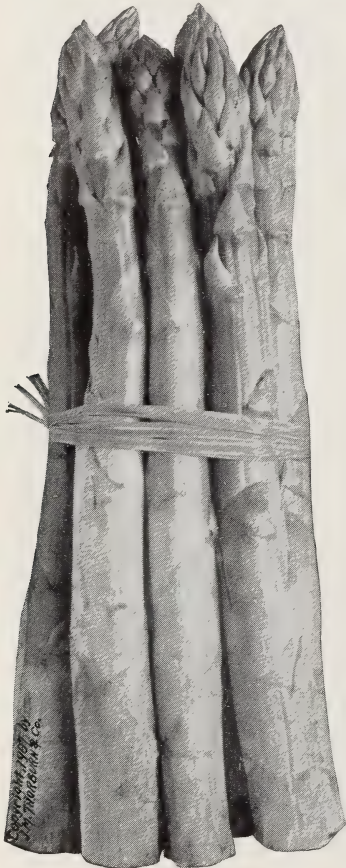


VERBENA HYBRIDA NANA COMPACTA VESTA

# Vegetable Seeds

Please notice that we pay postage or express charges on all seeds ordered by the packet, ounce and ¼lb. If larger quantities are ordered, add postage or expressage at the rate of 8c. per lb. See first page.

See inside front cover of this catalogue for COMPLETE ASSORTMENTS OF VEGETABLE SEEDS of approved and choice sorts for from \$2.50 to \$18.



ASPARAGUS

## ARTICHOKE

ARTICHAUT *Alcachofa* Artichöke

**CULTURE.**—Deep, rich, sandy loam with plenty of well-rotted manure. Sow seeds in April or May, and when large enough transplant into rows 3 to 4 feet apart and 2 feet in the rows. They reach maturity the second year. When cold weather sets in, bank the earth to the top, first cutting off and tying up the leaves so that they will occupy less space, and in the spring fork in a dressing of manure. Artichoke may also be treated as an annual by sowing the seed in hotbeds during February and transplanting in May. The heads should be cut off and used as they get ready. If left to ripen on the plant, they will exhaust it, and no more will be produced that season. Heads are unfit for culinary purposes after the flowers expand.

**110 French Globe.** (Seed). The standard sort. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

**Jerusalem Artichoke Roots.** Qt. 25 cts.

**Globe Artichoke Roots.** (Ready in April.) Each 15 cts., doz. \$1.50.

## ASPARAGUS

ASPERGE *Esparrago* Spargel

**CULTURE.**—Sow the seeds thinly in rows 1 foot apart in April or May (4 or 5 lbs. to the acre), and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds of 5 feet wide, three rows in a bed, the outer being each 1 foot from the edge, and allow 12 inches in the rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For market, on a large scale, set out 4 by 1½ feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or Paris green. *Asparagus from seed does not always come true to name.*

**170 Colossal.** The approved standard Pkt. Oz. ¼lb. Lb.  
sort. The famous *Argentueil* of the French is identical with it... \$0 05 \$0 10 \$0 20 \$0 50

**180 Palmetto.** Of southern origin; a very desirable bright green Asparagus..... 05 10 20 50

**190 Bonvalette's Giant.** An improved Palmetto, said to produce larger stalks and is a stronger grower..... 05 10 20 60

**200 Columbian Mammoth.** Very large shoots..... 05 10 20 60

## ASPARAGUS ROOTS

*Plant either in fall or spring*

	Per 50	100	1,000
<b>Colossal.</b> 2-year-old roots.....	\$0 60	\$1 00	\$7 00
<b>Palmetto.</b> 2-year-old roots.....	60	1 00	7 00
<b>Columbian Mammoth.</b> 2-year-old roots.....	60	1 00	7 00

In France a business is now made of growing small, green, delicate shoots of Asparagus during the winter. Strong roots may be forced in hotbeds out-of-doors. They should be packed closely into the frames, and by making a new bed every five or six weeks these tiny shoots may be had all winter and are valuable served with omelets, green peas, etc.

## 240 BORAGE

The young leaves of this annual, which smell somewhat like a cucumber, are used as a salad, or boiled like spinach. Should be sown at intervals, as the leaves are palatable only when young. Sow in the spring, in light soil; transplant in shallow drills, a foot apart, when of six weeks' growth. Pkt. 5c., oz. 10c., ¼lb. 30c., lb. 90c.

*We pay postage or express charges on all seeds bought by the packet, ounce, and quarter pound*

# BEANS

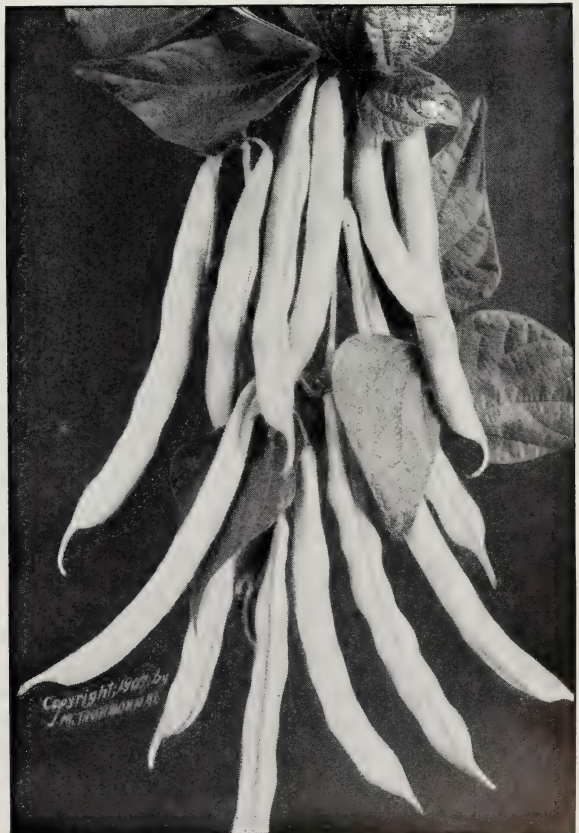
As a farinaceous food for man, the Bean is considered far superior to any other legume, and next in importance to wheat. The modern varieties leave little to be desired; the great care given to their improvement has resulted in superior sorts, greatly extending the season of use, as well as varying the flavor.

**CULTURE.**—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession.

## DWARF GREEN-PODDED SNAP-BEANS

We supply packets of all Beans at 10 cts. each, postpaid, except where otherwise noted; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

	Pint	Quart	½pk.	Pk.	Bus.
310 <b>Bountiful.</b> Extra early, very prolific and long-bearing; flat green pods, tender and stringless. . . . .	\$0 15	\$0 25	\$0 85	\$1 50	\$5 50
320 <b>Dwarf Horticultural.</b> Late and productive; flat, stringless pods	15	25	85	1 50	5 50
330 <b>Dwarf Horticultural, Carmine Pods.</b> Same as above, but with carmine pods. . . . .	15	25	85	1 50	5 00
340 <b>Full Measure.</b> Large round pods, firm, tender and sweet, and entirely stringless. Fine shipper and keeper. . . . .	15	25	85	1 50	5 50
350 <b>Fulmer's Forcing.</b> Very scarce. A fine dwarf forcing variety. in ½pint packages only 50 cents each. . . . .					
360 <b>Goddard Improved.</b> Long, flat pods, stringless; very prolific. . . . .	15	25	85	1 50	5 50
370 <b>Green-seeded Flageolet.</b> Used as a shell-bean when green for many exquisite French dishes. . . . .	15	30	1 00	1 75	6 50
380 <b>Hodson Green-Pod.</b> A green-podded form of Hodson Wax. . . . .	15	25	85	1 50	5 00
390 <b>Longfellow.</b> Long, straight, round, solid green pods; very early. . . . .	15	25	85	1 50	5 50
400 <b>Low's Champion.</b> Large, long pods, stringless; fine flavor. . . . .	15	30	1 00	1 75	6 00
410 <b>Marvel of Paris.</b> Long, slender, flat pods; very early. . . . .	15	30	1 00	1 75	6 50
420 <b>Mohawk.</b> Long, flat straight pods; early; very productive. . . . .	15	25	85	1 50	5 00
430 <b>Osborn's Forcing.</b> Very scarce. A most superior English dwarf Bean for forcing . . . . . Pkt. 15 cts.	35	60			
440 <b>Refugee, Late, or 1,000-to-1.</b> Medium to late; productive and tender; round pod. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5.					
450 <b>Refugee, Thorburn Extra-Early.</b> Has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5.					
460 <b>Refugee, Golden.</b> Pods light green; late; productive. Pt. 25 cts., qt. 40 cts.					
470 <b>REFUGEE, KEENEY'S STRINGLESS.</b> Stringless at all stages of development. Pt. 15 cts., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.50.					
480 <b>Six Weeks, Long Yellow.</b> Early; full, flat pods. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5.					
490 <b>Stringless Green-Pod.</b> Extra-early; stringless, prolific; round pod. Pt. 15 c., qt. 30 c., ½pk. \$1., pk. \$1.75, bus. \$6.					
500 <b>Stringless Green-Pod Giant.</b> Improved long-podded strain of above. Pt. 15 cts., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.					
510 <b>THORBURN LONG-POD FORCER.</b> Very scarce. A very early dark green, long-podded sort; finest of all forcing beans. Pkt. 25c., pt. 35c., qt. 60c.					
520 <b>Valentine, Extra Early.</b> Round, thick, solid pods; tender, fine flavor. Pt. 15 c., qt. 25 c., ½pk. 85 c., pk. \$1.50, bus. \$5.					
530 <b>Valentine, Giant Stringless.</b> About seven days later than Extra Early Valentine. Slightly curved pods, brittle and stringless. Pt. 15c., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.					
540 <b>Valentine, Black.</b> Resembling the Valentine, but with black seed; long, round, solid pods; very early. Pt. 15 cts., qt. 25 cts., ½pk. 85 cts., pk. \$1.50, bus. \$5.					



EXTRA-EARLY REFUGEE BEANS

**ENGLISH DWARF BEANS (Crop almost a failure)**

FEVE DE MARAIS *Haba* Große Bohnen

**CULTURE.**—Sow in drills 2 feet apart, as early in the spring as the ground can be worked (these are as hardy as peas), in order to get them into pod before the heat of summer. When in pod, break off the top of the plant to check the growth. Plant and hoe the same as for Dwarf Beans. A strong soil suits them best.

Properly cooked, these Beans form one of the most delicious vegetables. To each ½ gallon of water allow one heaped tablespoonful of salt. The beans should be young and freshly gathered. After shelling, put them into boiling water, salted as above. Boil rapidly for 15 or 20 minutes, then serve with a sauce of parsley and butter. Boiled bacon is often served with the beans.

650 Broad Windsor. The largest and best of the class.....		Per pint	Quart
660 Early Mazagan. Earliest of the class.....		\$0 30	\$0 50
670 Sword Long-Pod. A size smaller than Windsor	} Crop doubtful. {		
680 Small Horse Bean. Small size.....			

**DWARF WAX BEANS**

We supply packets of all Beans at 10 cts. each, postpaid, except where otherwise noted; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

	Quart	½pk.	Pk.	Bus.	
750 Black Wax, Improved Prolific. Very early and prolific. The Pint pods are round, full, stringless and of fine quality.....	\$0 15	\$0 30	\$1 00	\$1 75	\$6 00
770 Black Wax, Currie's Rust Proof. Flat pods; early; productive.	15	30	1 00	1 75	6 00
780 Black-Wax, Pencil-Pod. Slender, long, round pods.....	15	30	1 00	1 75	6 00
784 Burpee's Kidney Wax. On style of Wardwell's Kidney Wax but with longer pods, more handsome in appearance, more meaty, of better quality and altogether stringless. In wet seasons, the foliage is free from blight and the pods rustless.....	20	35	1 25	2 00	7 00
790 Davis Kidney Wax. Long, handsome, waxy white; flat pods.....	15	30	1 00	1 75	6 00
792 Detroit Wax. Very much like Golden Wax; flat pods.....	15	30	1 00	1 75	6 50
794 Flageolet Red Wax. Flat, yellow stringless pods of large size....	15	30	1 00	1 75	6 50
800 Golden Wax Improved. Very early; flat pods, long and stringless.	15	30	1 00	1 75	6 00
810 Golden Wax, Keeney's Rustless. Semi-round pods.....	15	30	1 00	1 75	6 00
820 Golden-Eyed Wax. Very hardy and prolific, with flat, yellow pods; early and free from rust.....	15	25	85	1 50	5 00
830 Hodson Wax. Very large, brittle and tender wax pods; stringless. Enormously productive.....	15	30	1 00	1 75	6 00

**834 Horticultural Dwarf Wax.**

On same style as the green-podded variety of the same name but with wax pods. Pt. 20 cts., qt. 35 cts., ½pk. \$1.25, pk. \$2, bus. \$7.

**844 Michigan White Wax.** Of robust and vigorous growth; pods very fleshy and of fine quality. Beans pure white. Pt. 15c., qt. 30c., ½pk. \$1, pk. \$1.75, bus. \$6.50.

**850 Refugee Wax, Stringless, Thorburn.** A perfect Refugee, with wax pods; for early or late sowing; immense yielder. Pt. 15c., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.

**860 Round-Pod, Kidney Wax (Brittle Wax).** Same as Wardwell's Kidney, but with round pods. Pt. 20 cts., qt. 35 cts., ½pk. \$1.25, pk. \$2, bus. \$7.

**870 Sure Crop Stringless Wax.** An absolutely stringless, flat-pod-variety and a very abundant cropper. Pt. 25 cts., qt. 45 cts., ½pk. \$1.50, pk. \$2.50, bus. \$9.

**880 Valentine Wax, Thorburn's.** Pt. 20 cts., qt. 35 cts., ½pk. \$1.25, pk. \$2, bus. \$7.

**890 Wardwell's Kidney Wax.** Early; long flat, purely wax pods. Pt. 15 cts., qt. 30 cts., ½pk. \$1, pk. \$1.75, bus. \$6.50.

**900 White Wax, Improved Stringless.** Round pods; beans pure white and of finest quality; strong grower; stringless. Pt. 20 cts., qt. 35 cts., ½pk. \$1.25, pk. \$2.25, bus. \$8.50.

**910 Yosemite Mammoth Wax.** Long, thick, solid pods. pt. 25 cts., qt. 45 cts., ½pk. \$1.50, pk. \$2.75, bus. \$10.



DWARF LIMA BEANS



**WHITE BEANS**

We supply packets of Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

	Per pint	Quart	½pk.	Pk.	Bus.
1000 <b>Thorburn Dwarf Lima</b> (The True Kumerle Strain). The dwarf form of our famous Challenger Lima—the finest of all Limas. It possesses the flavor of the genuine Challenger Lima	\$0 20	\$0 35	\$1 25	\$2 00	\$7 00
1010 <b>Burpee Bush Lima</b> . A bush form of the large, flat Pole Lima. growing only 18 to 20 inches high. It is an immense yielder.	20	35	1 25	2 00	7 00
1020 <b>Burpee's Improved Bush Lima</b> . An improved strain of the Burpee Bush Lima having much larger pods and beans. Enormously productive and extremely early.	20	35	1 25	2 25	8 50
1030 <b>FORDHOOK BUSH LIMA</b> . Immense pods and beans.	20	35	1 25	2 25	8 50
1040 <b>Henderson Bush Lima, or Dwarf Sieva</b> . Productive.	15	30	1 00	1 75	6 00
1060 <b>Wood's Prolific Bush Lima</b> . Very productive. The Early Sieva, or Butter Bean of the South.	15	30	1 00	1 75	6 50
1070 <b>White Kidney</b> . Excellent, either green or ripe, as a shell Bean.	15	25			
1080 <b>White Marrow</b> . Good, either as a string or shell Bean.	15	25			

**POLE, or RUNNING BEANS**

We supply packets of Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

CULTURE.—Sow as the soil becomes warm and dry, from the first part of May (for all except Limas) to the latter part of May, in hills 4 feet each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five beans to a hill, and of the smaller sorts about 200 hills. Poles 8 or 10 feet long should be firmly set in the hills before planting seed.

	Per pint	Quart	½pk.	Pk.	Bus.
1200 <b>Lima, Challenger</b> . Thick and productive; best of all.	\$0 15	\$0 30	\$1 00	\$1 75	\$6 50
1204 <b>LIMA, CARPINTERIA POLE</b> . Beans large and thicker than the ordinary pole lima. Vigorous grower. See <i>Novelties</i> .	25	45	1 50	2 50	9 00
1210 <b>Lima, Ideal Pole</b> . Large pods and bean; tender and of fine flavor; very productive. On style of Large White Lima.	20	35	1 25	2 00	7 00
1214 <b>Lima, Early Jersey</b> . Vigorous grower; very early; beans large and tender and average three to a pod.	15	30	1 00	1 75	6 50
1220 <b>Lima, Large White</b> . Highly esteemed.	15	30	1 00	1 75	6 00
1230 <b>Lima, King of the Garden</b> . Large in pod and bean.	15	30	1 00	1 75	6 50
1240 <b>Lima, Siebert's Early</b> . Very early; immense yielder; large size beans of the finest quality.	15	30	1 00	1 75	6 50
1250 <b>Lima, Small Sieva, or Carolina</b> . Early and productive.	15	30	1 00	1 75	6 50
1260 <b>Black German Wax</b> . Yellow pods.	20	35	1 25	2 00	7 00
1270 <b>Dutch Case-Knife</b> . Pods long, green and flat; can be either snapped or shelled.	15	30	1 00	1 75	6 00
1280 <b>Horticultural Pole</b> . Good as a snap or as a shell Bean.	15	30	1 00	1 75	6 00
1286 <b>Horticultural Golden Carmine Wax-Podded</b> . Very handsome, large, stringless.	20	35	1 25	2 00	7 00
1300 <b>Golden Cluster Improved</b> . Long golden yellow pods in clusters	20	35	1 25	2 25	8 00
1310 <b>Kentucky Wonder (Old Homestead)</b> . Pods green; very long and flat.	15	25	85	1 50	5 50
1314 <b>Kentucky Wonder, White Seed</b> . Earlier and more productive than Old Homestead.	20	35	1 25	2 00	7 50
1320 <b>Kentucky Wonder, Golden Wax Pods</b> .	20	35	1 25	2 25	8 00
1330 <b>Lazy Wife</b> . Long green pods of good quality; white beans.	15	30	1 00	1 75	6 50
1340 <b>Scarlet Runner</b> . (Very scarce.) A popular English Pole Bean; very ornamental.	25	40			
1350 <b>Southern Creaseback</b> . Long, round, stringless pods; fleshy, tender.	15	30	1 00	1 75	6 50
1360 <b>Southern Prolific</b> . A continuous bearer.	15	30	1 00	1 75	6 50
1370 <b>White Dutch Runner</b> . Same habit as the Scarlet Runner.	20	35			
1380 <b>Butterfly Runner</b> . Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts.					
1390 <b>Yard-Long French</b> . Slender pods sometimes 2 to 3 feet long; curious; should be grown on pea brush. Pkt. 10 cts.					

**BEET** (Very short crop)

BETTERAVE *Remolacha* *Salatrübe*

CULTURE.—Sow as early in the spring as the ground can be worked (5 to 6 lbs. to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young Beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when size of a hickory nut.

	Pkt.	Oz.	¼lb.	Lb.
1500 <b>Bassano</b> . Early; light color; good sort.	\$0 05	\$0 15	\$0 40	\$1 50
1520 <b>Crimson Globe</b> . Fine globular shape; flesh rich, deep crimson; tender and sweet; very early.	05	15	40	1 50
1530 <b>Crimson Globe, Sutton's</b> . Good shape; finest quality.	05	15	40	1 50

**Beets, continued**

- 1540 **Detroit Dark Red Turnip.** Round; skin dark blood-red; flesh bright red. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1560 **Early Blood Turnip.** Dark red; fine flavor; good for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40c., lb. \$1.50.
- 1570 **Eclipse.** Early; round, bright red. Pkt. 5 cts., oz. 15c., ¼lb. 40c., lb. \$1.50.
- 1580 **Edmand Blood Turnip.** A market-gardeners' strain, regular in shape and of best quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1600 **Egyptian, Crosby's.** Extra-early, round, dark blood-color. Pkt. 5 cts. oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1610 **Half-Long Blood.** Fine dark strain for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1618 **Lentz.** Extra-early, large, round, light red; small tops. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1620 **Long Smooth Blood.** A good late variety for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1630 **THORBURN'S NEW MODEL RED.** Dark blood-red; splendid sort. See *Novelties*. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1644 **Trevis (Columbia).** Red; early; flat; tender. Fine sort for table. Pkt. 5c., oz. 15 cts., ¼lb. 40 cts., lb. \$1.50.
- 1650 **Witham Fireball.** Brilliant red flesh, solid, sweet and crisp; fine quality; globe-shaped; very early. Pkt. 5c., oz. 15c., ¼lb. 40c., lb. \$1.50.
- 1690 **Swiss Chard, or Silver Beet.** To be used same as spinach
- 1700 **Swiss Chard, or Silver Beet, Lucullus.** See *Novelties*.



BEET

	Pkt.	Oz.	¼lb.	Lb.
	\$0 05	\$0 10	\$0 30	\$1 00
	05	15	50	1 50

**FOLIAGE BEET**

These varieties are grown only for their handsome foliage, which is very ornamental and decorative.

	Pkt.	Oz.	¼lb.	Lb.
77270 <b>Golden-veined Brazilian</b> .....	\$0 05	\$0 20	\$0 40	\$1 25
77280 <b>Scarlet-veined Brazilian</b> .....	05	20	40	1 25
77290 <b>Crimson-veined Brazilian</b> .....	05	20	40	1 25
77300 <b>Scarlet-ribbed Chilean</b> .....	05	20	40	1 25
77310 <b>Yellow-ribbed Chilean</b> .....	05	20	40	1 25
77320 <b>Victoria</b> .....	05	20	40	1 25
77330 <b>Dracaena-leaved</b> .....	05	20	50	1 50

**MANGEL-WURZEL, SUGAR BEET, ETC. Runkelrüben**

**CULTURE.**—As all Mangels require a deep soil in order to grow well, plow and subsoil at least a foot to 18 inches, and apply plenty of rich stable or Thorburn's Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies. Sow, in addition, when the plants are 3 or 4 inches high, at the rate of 200 lbs. Complete Manure, 200 lbs. bone meal and 400 lbs. salt per acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, Mangel-Wurzels should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and as the cold increases this should be replaced by about 6 inches of either salt-hay, straw, seaweed or corn-stalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 or 8 inches more of earth should be placed over it. By following up this gradual process of covering, all danger of heating will be obviated, and the roots will keep in perfect order. Sow from 5 to 8 pounds to the acre.

**MANGEL-WURZEL**

	Oz.	¼lb.	Lb.
1850 <b>Giant Half-Sugar Red-Skinned.</b> Longish ovoid; red skin; white flesh.....	\$0 10	\$0 25	\$0 75
1860 <b>Giant Yellow Intermediate.</b> Very large.....	10	25	75
1870 <b>Golden Tankard Mangel-Wurzel.</b> Bright yellow; handsome and sweet, and very productive.....	10	25	75
1880 <b>Red Globe Mangel-Wurzel.</b> Similar to Golden Globe; productive.....	10	25	75
1910 <b>Mammoth Long Red Mangel-Wurzel.</b> Very large; enormously productive under careful culture.....	10	25	75
1930 <b>Orange Globe.</b> Productive and of good size.....	10	25	75

*We pay postage or express charges on all seeds bought by the packet, ounce and quarter pound*



THORBURN GILT-EDGE CAULIFLOWER (see page 16)

**SUGAR BEET**

We recommend 5 to 10 lbs. to the acre.

	Oz.	¼lb.	Lb.
2000 Klein Wanzleben.....	\$0 10	\$0 25	\$0 75
2010 Vilmorin Improved.....	10	25	75
2020 White Rose-Top.....	10	25	75
2040 Lane's Sugar. Fine for stock.....	10	25	75

**BROCCOLI**

BROCCOLI *Brocoli* Spargelfohl

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate the same as cabbage, in rich soil, and use the same remedies for insect attacks. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country.

	Pkt.	Oz.	¼lb.	Lb.
2100 Early White.....	\$0 10	\$0 30	\$0 85	\$3 00
2110 Mammoth White.....	10	35	1 25	4 00
2120 Purple Cape, Early.....	10	35	1 25	4 00
2130 Veitch's Self-protecting.....	10	30	85	3 00

**BRUSSELS SPROUTS**

CHOU DE BRUXELLES *Berza de Brusels* Rozenfohl

CULTURE.—Sow in May, in the same manner as cauliflower, and transplant in July, 1 foot apart in the rows, which should be 1½ feet apart. The Brussels Sprout is, without exception, the very best winter vegetable that can be grown. Not the least valuable point connected with it is that it is as hardy as the common Curled Greens. The real sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. Strip off the

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**Brussels Sprouts, continued**

outer covering, cook them whole, and serve them in that fashion. When cooked through and no more, such sprouts melt in the mouth, like the tenderest cauliflower, and are equally good.

	Pkt.	Oz.	¼lb.	Lb.
2170 <b>Improved Half Dwarf.</b> The very best and purest strain.....	\$0 05	\$0 20	\$0 60	\$2 00
2190 <b>Dalkeith.</b> Of dwarf growth, producing large, solid sprouts.....	05	20	60	2 00
2196 <b>Dwarf German.</b> Compact heads; productive.....	05	25	75	2 50

**2230 BURNET**

PIMPERNELLE *Pimpinella* Pimpernell

The leaves have a warm, piquant taste, and are useful for salads and soups. Sow early in the spring, half an inch deep, thinly in rows. **Garden.** Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. 90 cts.

**CAULIFLOWER**

CHOU-FLEUR *Coliflor* Blumenkohl

**CULTURE.**—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently, and, if the plants could have a heavy mulch of hay or straw, it would keep the soil moist, and they would not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out same time as cabbage.

	Pkt.	Oz.	¼lb.	Lb.
2250 <b>Thorburn Extra-Early Dwarf Erfurt.</b> The very best and earliest for forcing under glass; very dwarf and compact with short stem and small leaves. It should not be confounded with entirely different sorts advertised.....	\$0 50	\$5 00		
2260 <b>Large Early Erfurt.</b> (Thorburn's Selection). Justly popular with market-gardeners for late crop.....	25	2 25	\$8 00	\$30 00
2270 <b>THORBURN'S GILT-EDGE.</b> Large, heavy sort, maturing immediately after our <i>Large Snowball</i> . It is, without exception, the best and surest of all. <i>See Novelties</i> .....	25	2 25	7 50	28 00
2280 <b>Thorburn Extra-Early Snowball.</b> Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for open ground.....	25	2 25	7 50	28 00
2290 <b>Thorburn Large Early Snowball.</b> A large strain of the above.....	25	2 25	7 50	28 00
2300 <b>Denmark.</b> On the style of Large Erfurt; very fine.....	20	1 75	6 50	24 00
2310 <b>Extra-Early Paris.</b> Heads of medium size; first-class.....	10	60	2 00	7 00
2320 <b>Lenormand Short-Stem.</b> Has very large heads; white and firm.....	10	50	1 75	6 00
2330 <b>Large Algiers.</b> Market-gardeners' popular late sort for the South.....	10	60	2 00	7 00
2340 <b>Thorburn Nonpareil.</b> A first-class standard sort.....	10	50	1 75	6 00
2350 <b>Early London.</b> Large and hardy.....	05	30	1 00	3 50

**CABBAGE**

CHOU *Berza de repollo* Kohl

**CULTURE.**—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or Thorburn's Complete Manure, excellent crops are sure to be grown. For early spring, sow in fall not too early, for the plants are liable to bolt in the spring, instead of heading. In a month the plants will be fit to transplant to coldframes, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety. If it is desirable to economize space, lettuce or radish may be sown between the rows, as they will be out of the way before the Cabbage needs the room. For late or winter crop, the seed is sown in May, and the plants set out in July. In this case, they are set in rows 2 by 3 feet, so as to work them with a horse and cultivator. To destroy the green worm, an experienced grower says: "Take one ounce of saltpeter and dissolve it in 12 quarts of water; then take a short-handled whisk-broom, dip it in the solution and sprinkle the plants well. One application is sufficient unless the stuff is washed off by heavy rains. The liquid, being perfectly clear, never colors the cauliflower or Cabbage heads." To prevent the turnip flea attacking the young plants, sift fine air-slaked lime or tobacco dust over them as soon as they appear above ground.

	Pkt.	Oz.	¼lb.	Lb.
2390 <b>COPENHAGEN MARKET.</b> <i>See Novelties</i> .....	\$0 15	\$0 60	\$2 00	\$7 00
2400 <b>Baseball, Early.</b> The finest early all-head Cabbage.....	10	25	75	2 50
2410 <b>Early Spring.</b> Flat, extra-early, medium size.....	05	20	60	2 00
2420 <b>Early York.</b> The standard English sort. Splendid.....	05	15	40	1 25
2430 <b>Large Early York.</b> Larger than the above. Splendid.....	05	15	40	1 25
2460 <b>EARLY JERSEY WAKEFIELD, THORBURN'S.</b> The most popular early variety; heads very solid, pyramidal shape. <i>See Novelties</i> .....	10	30	85	3 00
2464 <b>Charleston Wakefield.</b> Large strain of above.....	05	20	60	2 25
2470 <b>ENKHUIZEN GLORY.</b> Large, early, white, solid, ball-shaped heads. <i>See Novelties</i> .....	10	25	80	2 75
2484 <b>Early Winnigstadt.</b> A standard second-early variety; very hard heads.....	10	25	75	2 25
2490 <b>Improved Early Summer.</b> A superior second-early sort; produces large and solid heads of finest quality; popular in the South. Selected stock..	05	20	60	2 00
2510 <b>Holstein.</b> Large, round, firm heads; medium-early.....	05	20	60	2 00
2520 <b>Succession Improved.</b> Excellent second-early sort; large, solid heads.....	10	35	1 00	3 00
2530 <b>Large Late Drumhead.</b> A standard winter Cabbage for main crop.....	10	25	75	2 50
2540 <b>Large Late Flat Dutch.</b> A valuable sort for market.....	05	20	60	2 00

*We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound*



EARLY JERSEY WAKEFIELD CABBAGE (see page 16)

**Cabbage, continued**

	Pkt.	Oz.	¼lb.	Lb.
2560 Thorburn Market-Gardener's Private Stock Flat Dutch. Fine strain of the immense winter Cabbage grown on Long Island for market...	\$0 10	\$0 25	\$0 75	\$2 50
2580 Danish Ball-Head Winter. Short stem. Very round, solid winter sort, largely grown in Denmark for the London market. A fine shipper.....	10	35	1 00	3 00
2584 Danish Ball-Head Winter. Long stem.....	10	35	1 00	3 00
2590 Green Glazed. Glossy green; suitable for hot climates.....	10	30	85	3 00
2610 Red Erfurt. Very dark red; very early.....	10	35	1 00	3 00
2614 RED STONEHEAD. Prize variety. From Denmark; a great improvement on the old variety of the same name. Produces heads nearly as round as a ball, of medium size but very solid and consequently long-keeping. Prefers a rather heavy soil, richly manured.....	10	40	1 25	4 00
2620 Red Zenith. Very fine, dark red; solid head; medium early; finest of all...	10	35	1 00	3 00
2630 Savoy, Early Vienna. Very small; of delicate flavor.....	10	35	1 00	3 00
2640 Savoy, Early Ulm. Medium size, round, deep green head; very early.....	10	35	1 00	3 00
2650 Savoy, Late American Drumhead. Very fine improved strain.....	10	25	75	2 50
2660 Chinese Cabbage (Pe-Tsai). Grows like Cos Lettuce.....	05	20	60	2 00

**CARDOON**

CARDOON *Cardo* Cardon

CULTURE.—Sow early in spring, in rows where the plants are to stand, and thin them to 2 feet apart. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. The stems should be wintered in a cellar away from frost.

	Pkt.	Oz.	¼lb.	Lb.
2770 Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines.....	\$0 05	\$0 25	\$0 75	\$2 50
2790 Large Solid Tours (Prickly).....	05	25	75	2 50

**CARROT**

CAROTTE *Zanahoria* Möhren

CULTURE.—Sow Nos. 2890 and 2900 as early as the ground can be worked; or, for late crop, until the latter part of July or early in August for a winter crop. This is the finest and most tender for table use. For main crop, sow from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop, 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil light, and loamy, richly manured and deeply dug. Sow at the rate of 2 to 3 lbs. to the acre. Carrot-tops cut from fairly young plants may be used for pretty indoor greenery. Put one cutting into each thumb-pot, or 3 or 4 into a larger

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**Carrots, continued**

pot around the sides. Fairly good and sandy soil should be used, syring frequently until growth is well forward. About 1 inch of Carrot should be left to put in soil, but this should be surrounded with soil or moss to hide it. When fully grown it is very pretty, the long fronds hanging over gracefully.

<b>2890 French Forcing, Early.</b> Tender and Pkt. Oz. ¼lb. Lb. sweet; fine for early and late crops and for frames.....	\$0 10	\$0 25	\$0 85	\$3 00
<b>2910 Early Round Parisian.</b> Small and very tender; for frames or open ground...	10	25	85	3 00
<b>2920 Oxheart Half-Short (Guerande).</b> Very thick and short.....	10	25	85	3 00
<b>2930 Scarlet Horn, Early.</b> Very thick roots; fine for frames.....	10	25	85	3 00
<b>2950 Half-Long Pointed.</b> A well-known strain; productive.....	10	25	85	3 00
<b>2970 Half-Long Stump-rooted Nantes Strain.</b> One of the most popular sorts.....	10	25	85	3 00
<b>2990 Chantenay Half-Long Stump-rooted.</b> Style of Nantes, broader shoulder...	10	25	85	3 00
<b>3020 Danvers Half-Long.</b> Large; of good quality; productive.....	10	25	85	3 00
<b>3030 St. Valery.</b> A thick, intermediate long red.....	10	25	75	2 50
<b>3040 Long Orange.</b> Best for stock feeding...	10	25	75	2 50
<b>3050 White Vosges.</b> Large, thick, short; fine for stock.....	05	15	50	1 50
<b>3070 Long White Belgian.</b> Very large; one of the best varieties for stock....	05	15	50	1 50

**CELERY**

CELERI *Apios* Sellerie

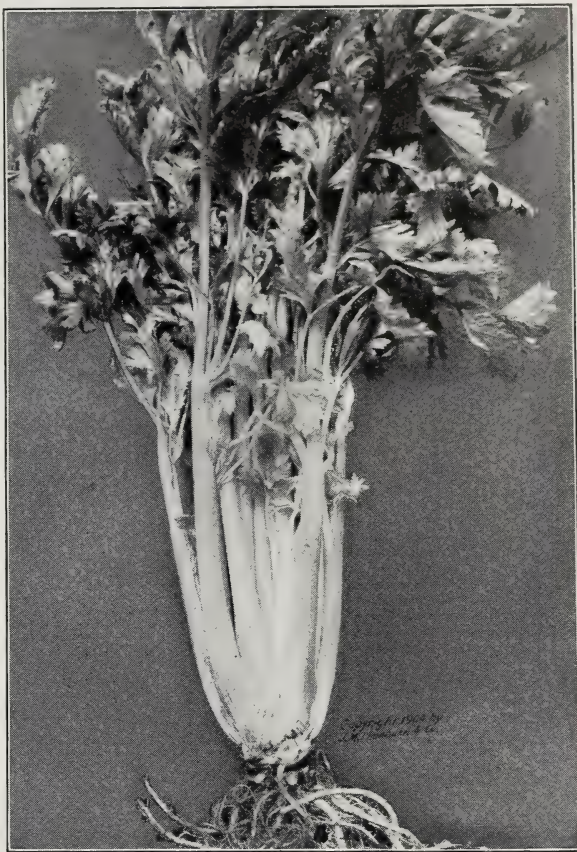
**CULTURE.**—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 or 10 inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 or 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July at the North, a month or six weeks later in the southern states, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots. In the garden the better way is to set the plants in shallow trenches. We say shallow, for it is obviously a bad plan to remove all the good soil (as must be done in a deep trench) and put the plants in that which is poor. The plants must be set in a single row in a narrow trench; or the trench may be made into a bed wide enough to hold two, three or four rows, and in this case the plants are in a compact form to be covered for the winter where they grow. This will save much labor where there is no root-cellar for storage, as often happens to be the case. When grown in beds in this way, the rows should be 1 foot apart, and the plants about 8 inches apart in the rows. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times, and, in doing this, care should be taken not to let the earth get into the heart of the plant. In field culture, the plants are set on the surface in rows 4 feet apart when the Celery is to be earthed up in the field for early use, and 2 feet apart when the plants are to be taken up and blanched in the cellar for winter use. The plants are set 6 inches apart in rows. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground 1 foot wide, and at a depth of a few inches less than the height of the Celery. The plants are then lifted and set close together. When severe cold weather comes on, cover gradually with leaves, hay or straw, and place boards on top. The turnip-rooted or "Knob" Celery needs no earthing up, and may be planted in rows 1 foot apart.

<b>3200 Thorburn Fin de Siecle.</b> We consider this the largest, hardiest, solidest, Pkt. Oz. ¼lb. Lb. crispest, best keeping and best shipping winter Celery we know of.....	\$0 05	\$0 20	\$0 60	\$2 00
<b>3210 Improved White Plume.</b> Naturally white or light foliage; requires but little banking up to blanch; very early and extensively grown for market.....	10	25	75	2 50
<b>3214 Golden Self-Blanching.</b> American grown; large, golden yellow.....	10	45	1 50	5 00
<b>3220 Golden Self-blanching, French Grown</b> .....	15	1 00	3 75	14 00
<b>3230 Golden Self-blanching, Thorburn's Gilt-Edge.</b> Our finest strain.....	20	1 10	4 25	16 00
<b>3240 Rose-ribbed Golden Self-blanching.</b> Very handsome rose-striped ribs...	10	35	1 00	3 50
<b>3260 Perfection Heartwell.</b> One of the finest and largest of winter varieties, either for family or market-garden. The heart is golden yellow.....	05	20	50	1 50
<b>3270 Thorburn's Schumacher.</b> Solid and crisp; firm golden yellow heart.....	05	20	50	1 50
<b>3300 Giant Pascal.</b> An easily blanched and fine-keeping large late sort.....	05	20	60	2 00
<b>3310 Kalamazoo.</b> A fine, half-dwarf, solid white variety.....	05	15	50	1 50

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**Celery, continued**

- 3344 **Giant Golden Heart.** Very large, solid and fine-flavored; vigorous grower. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50.
- 3350 **New Rose.** Fine flavor; handsome. Pkt. 5c., oz. 20c., ¼lb. 60c., lb. \$2.
- 3360 **Pink Plume.** Same as White Plume, except that the stalks are tinged with pink. Attractive; rich flavor and long keeper. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 3384 **Winter Queen.** Very large, solid, green winter sort; blanches well. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50.
- 3388 **Silver-White.** Large. Fine, solid and crisp variety. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50.
- 3390 **CELERIAC, or Turnip-rooted Celery, Erfurt.** For soups and stews. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50.
- 3400 **Celery, Giant Prague.** Very large roots, for soups and stews; when cooked and sliced, makes fine winter salad. Pkt. 5 cts., oz. 15c., ¼lb. 50 cts., lb. \$1.50.
- 3420 **Celery, Apple.** Has small foliage and small, smooth roots; for soups. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. \$1.50. Celery may be stored like beets and will keep all winter.
- 3430 **Cutting Celery.** For soup. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.



## CORN, SWEET or SUGAR

We supply packets of Corn at 10 cts. each, postpaid; for other quantities, NOT PREPAID, add transportation charges at the rate of 5c. per pint, 10c. per quart.

CULTURE.—Plant in hills 3 feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to the stem; break off side shoots. Make the ground rich with well-rotted manure. If sown thinly in drills, a greater yield from a given surface will be obtained.

Most Corns can be furnished on ears, 5 cts. each, transportation extra

**EXTRA-EARLY**

	Per pint	Quart	½pk.	Pk.	Bus.
3700 <b>NORDHEIM EXTRA-EARLY.</b> Earliest of all. See <i>Novelties</i> .....	\$0 25	\$0 40	\$1 25	\$1 75	\$6 00
3704 <b>Cosmopolitan.</b> Large, handsome ears of fine quality; very early....	15	25	75	1 35	4 75
3710 <b>Early Cory.</b> A very early variety, with good-sized ears.....	15	25	75	1 25	4 50
3720 <b>White Cory.</b> Resembles the ordinary Cory, but with white cob....	15	25	75	1 25	4 50
3730 <b>Sheffield, Early.</b> Combines the hardness of Early Adams with the sugary quality of Cory, of which varieties it is a hybrid.....	15	25	75	1 25	4 25
3734 <b>Burpee's Earliest Catawba.</b> Similar to Golden Bantam in growth and earliness, but it differs from it in color and flavor. Grows 4 to 5 feet high, and bears from one to five good-sized ears to a stalk.	15	30	1 00	1 75	6 00
3740 <b>Mammoth White Cory.</b> Ears double the size of the old Cory.....	15	25	75	1 25	4 50
3750 <b>Metropolitan.</b> Large, handsome ears of fine quality; very early....	15	25	75	1 25	4 50
3754 <b>Golden Cream.</b> See <i>Novelties</i> . Pkt. 10c., ¼lb. 15c., ½lb. 25c., lb. 40c.					
3760 <b>Golden Bantam.</b> Extra-early; yellow; very sweet and tender.....	15	30	1 00	1 75	6 00
3764 <b>Seymour's Sweet Orange.</b> A vigorous grower, attaining a height of 6 to 7 feet, and producing generally two good-sized ears to a stalk. It matures about a week later than Golden Bantam and is fully equal to it in the deliciousness of its flavor.....	15	30	1 00	1 75	6 00
3770 <b>Premo.</b> Extra-early; very large ears; fine quality.....	15	25	75	1 25	4 50
3780 <b>Peep-O'-Day.</b> One of the earliest; very sweet and of delicate flavor.	15	30	85	1 50	5 00
3790 <b>Minnesota.</b> Nearly as early as Cory, but with larger ears.....	15	25	75	1 25	4 00
3800 <b>Perry Hybrid.</b> Very early and of large size; valuable for market....	15	25	75	1 25	4 00
3810 <b>Melrose.</b> As early as Perry Hybrid and much larger; valuable.....	15	25	75	1 25	4 50
3840 <b>Kendel's Giant.</b> Very early for so large-eared a sort; fine quality.....	15	25	75	1 25	4 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound



**SECOND-EARLY, or INTERMEDIATE CORN**

	Pint	Quart	½pk.	Pk.	Bus.
3850 Long Island Beauty. Very early; large size; a valuable market sort..	\$0 15	\$0 25	\$0 75	\$1 25	\$4 50
3860 Extra-Early Adams. Not a Sugar Corn, but grown for early use....	15	20	60	1 00	3 50
3900 THORBURN'S EARLY WHITE PERFECTION. A valuable second-early sort, producing good-sized ears. The cob is small and the grain is almost pure white. It is a heavy yielder, very sweet and an almost perfect type without flint or glaze .....	15	30	85	1 50	5 00
3910 Early Champion. Very large ears, considering its earliness.....	15	25	75	1 25	4 50
3920 Shaker. Very large, white grain; quite early.....	15	25	75	1 25	4 50
3930 Early Mammoth. Very large ears, fine quality; not very late.....	15	25	75	1 25	4 50
3940 Crosby. Matures after Minnesota; fair-sized ears of good quality....	15	25	75	1 25	4 00
3950 Potter Excelsior. Good size, and a week earlier than Large Excelsior	15	25	75	1 25	4 00
3960 Moore Concord. Of strong growth; ears large and well filled.....	15	25	75	1 25	4 00
3970 Early Evergreen. A week earlier than Stowell Evergreen.....	15	25	75	1 25	4 00
3980 Early Adams. Not a sugar Corn, but grown extensively for market.	15	20	60	1 00	3 50

**GENERAL CROP**

4020 Hickox Improved. Handsome ears, very white and of rich flavor... 15	25	75	1 25	4 00
4030 Large Eight-rowed. Very productive and of superior richness..... 15	25	75	1 25	4 50
4040 Stowell Evergreen. One of the most popular varieties..... 15	25	75	1 25	4 00
4050 Triumph. Large ears; very white; productive..... 15	25	75	1 25	4 25
4060 White Evergreen. A strain of Evergreen with pure white grain..... 15	25	75	1 25	4 00

**LATE SWEET CORN**

4100 Black Mexican. Very sweet and of superior flavor; grains black..... 15	25	75	1 25	4 50
4110 Henderson's Sugar. Large, thick ears, well filled with deep kernels, tender and sweet..... 15	25	75	1 25	4 50
4120 Late Mammoth. Rank in growth; large ears, rich and sweet..... 15	25	75	1 25	4 00
4130 Egyptian. Large and of superior quality; largely used for canning... 15	25	75	1 25	4 00
4140 Country Gentleman. A large selection of the Ne Plus Ultra, introduced by us in 1888..... 15	25	75	1 25	4 50
4160 Tuscarora. Flour Corn..... 15	20	60	1 00	3 00
4180 Sweet Fodder Corn..... 15	15	50	80	2 50

For Field Corn and Pop Corn, see page 55

**CHERVIL**

CERFEUIL *Perifollo* Benzenlauch

CULTURE.—Cultivate and use the curled variety of Chervil like parsley. Sow at any time in the spring in shallow drills, 1 foot apart, in well-prepared ground. The seed of the Tuberous Chervil should be sown in September, and it will appear the following spring.

	Pkt.	Oz.	¼lb.	Lb.
4240 Curled. Leaves used for flavoring soups and stews, and for garnishing . . .	\$0 05	\$0 10	\$0 30	\$1 00
4250 Plain. Like above, but not curled.....	05	10	25	75

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## CHICORY

- 4300 **Common, or Wild.** Used in *Barbe de Capucin*, a salad much made in France. Sown in June, the roots are transplanted in autumn into sand in a cellar. The young shoots form the *Barbe de Capucin* . . . . . \$0 05 \$0 20 \$0 50 \$1 50
- 4310 **Witloof.** Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as Endive, except that late in summer or fall it should be gradually banked up like celery. The stalks when blanched make a delicious salad. It is used by the French as a boiled vegetable. . . . . 05 20 60 2 00

See, also, **Endive, the Chicory of the French, page 23**

## COLLARDS

CULTURE.—Sow seed as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

- 4380 **Georgia.** Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

## CORN SALAD, or FETTICUS

MACHE *Macha o Valerianilla* *Stechsalat*

CULTURE.—Sow during August or early in September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before the winter cover thinly with straw or leaves.

- |                                       | Pkt.   | Oz.    | ¼lb.   | Lb.    |
|---------------------------------------|--------|--------|--------|--------|
| 4430 <b>Large-seeded</b> . . . . .    | \$0 05 | \$0 10 | \$0 25 | \$0 75 |
| 4440 <b>Small-seeded</b> . . . . .    | 05     | 10     | 25     | 75     |
| 4450 <b>Green Cabbaging</b> . . . . . | 05     | 10     | 30     | 85     |

## CRESS

CRESSON *Berra o Mastuerzo* *Kresse*

CULTURE.—Sow No. 4520 thickly in shallow drills, every two or three weeks. It should be cut often and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 4550 and 4570 should be sown in damp soil; or, if a stream of water can be utilized, they would be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

- |   | Pkt.   | Oz.    | ¼lb.   | Lb.    |
|---|--------|--------|--------|--------|
| 4520 <b>Curled, or Pepper Grass</b> . . . . .                             | \$0 05 | \$0 10 | \$0 20 | \$0 50 |
| 4540 <b>Broad-Leaved Winter, or Upland.</b> Gray seed . . . . .           | 05     | 10     | 25     | 80     |
| 4550 <b>Erfurt True Sweet Water Cress.</b> Very mild and tender . . . . . | 10     | 35     | 1 00   | 3 50   |
| 4570 <b>True Water Cress</b> . . . . .                                    | 10     | 35     | 1 00   | 3 50   |

## DANDELION

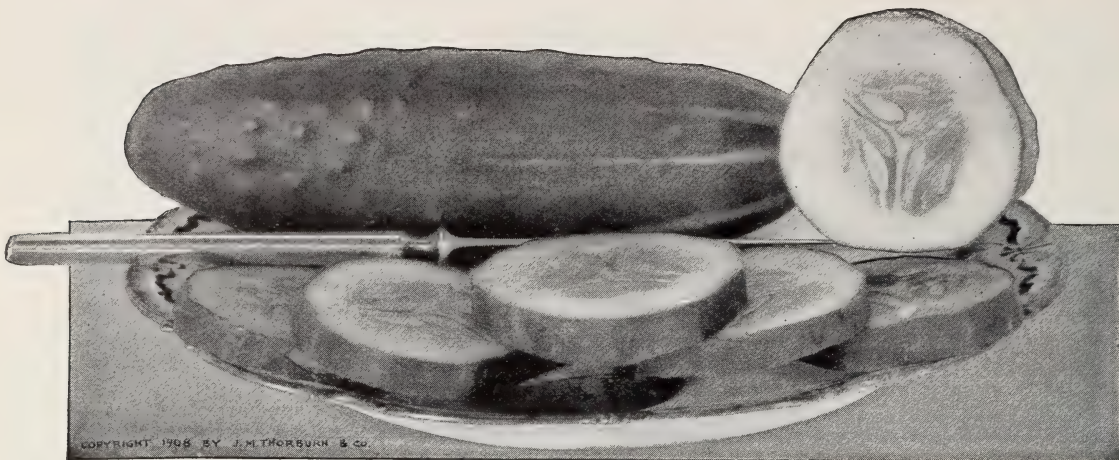
PISSENLIT *Amargon* *Pardebium*

CULTURE.—Dandelion is a hardy perennial, and one of the most desirable early spring salads. Sow in early spring in drills one-half an inch deep and 18 inches apart; thin out the plants to 12 inches. Keep clear of weeds during the summer, and the ensuing spring the leaves will be fit to cut. They are best, however, when blanched, which makes them tender and destroys to some extent, their bitter taste without impairing the qualities which make them desirable as greens. The blanching may be done by placing a couple of boards over the rows thus: **A**. This excludes the light and improves the greens, rendering them far superior to those found growing wild.

- |   | Pkt.   | Oz.    | ¼lb.   | Lb.    |
|---|--------|--------|--------|--------|
| 4630 <b>French Garden</b> . . . . .                   | \$0 05 | \$0 10 | \$0 30 | \$1 00 |
| 4640 <b>Improved Thick-leaved</b> . . . . .           | 10     | 35     | 1 00   | 3 50   |
| 4650 <b>Improved Thick-leaved Fullheart</b> . . . . . | 10     | 35     | 1 00   | 3 50   |
| 4670 <b>Montmagny</b> . . . . .                       | 10     | 30     | 85     | 3 00   |

MRS. J. V. HASLAM, of Louisiana, writes under date of February 1, 1911: "Your seeds are the most satisfactory I have ever used. They never fail. Would use no other."

*We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound*



NOROTON SELECTED WHITE SPINE CUCUMBER

# CUCUMBER

CONCOMBRE *Pepino* Gurke

**CULTURE.**—For very early, sow in hotbeds upon pieces of sod, or in small pots, and they can be readily transplanted with a gain of about six weeks before they can be sown in the open ground. Plant out in rich soil when danger of frost is over, or protect by hand-glasses, or by paper held down at the corners with a handful of earth. For general crops, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. For pickles, sow from middle of June to first week in July. Sod land, turned over in the fall, is the best for them. Plant in hills 4 feet apart, putting a shovelful of well-rotted manure in each hill.

	Pkt.	Oz.	¼lb.	Lb.
4750 <b>Cumberland.</b> One of the best pickling sorts yet introduced, being very handsome and productive, with flesh firm, but very crisp and tender.	\$0 05	\$0 15	\$0 30	\$1 00
4770 <b>Davis Perfect.</b> Fine for forcing or for outdoors. The fruit is long and straight, and, being a comparatively shy seeder, is very valuable for slicing	05	15	30	1 00
4780 <b>Early Green Cluster.</b> Fruit small and in clusters; very prolific	05	10	25	80
4790 <b>Early Russian.</b> Very early, short; fine for pickles	05	10	25	80
4800 <b>Giant Pera.</b> Very long; one of the best for table use	05	15	40	1 25
4810 <b>Fordhook Pickling.</b> Very prolific; medium size; fine pickling strain	05	10	25	80
4820 <b>Thorburn Everbearing.</b> Small-sized; very early and enormously productive, and valuable as a green pickler	05	10	25	80
4830 <b>Cool and Crisp.</b> Extra-early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing	05	15	30	1 00
4840 <b>Early Short Green.</b> Good for pickling; productive	05	10	25	80
4850 <b>Fordhook Famous.</b> Long, straight and well formed; vigorous grower, very productive. Does not turn yellow	05	15	30	1 00
4854 <b>Klondyke.</b> A fine strain on style of White Spine	05	15	30	1 00
4860 <b>New Orleans Market.</b> For forcing or open ground; very productive	05	15	30	1 00
4864 <b>White Spine Extra-Early.</b> An extra-early strain of the popular White Spine	05	15	30	1 00
4870 " " <b>Improved.</b> A very handsome and uniform early variety	05	15	30	1 00
4880 " " <b>Arlington.</b> Fine either for forcing or for outdoors	05	15	30	1 00
4890 " " <b>THORBURN'S NOROTON SELECTED.</b> See <i>Novelties</i>	10	25	65	2 00
4900 " " <b>Extra Long.</b> A beautiful, large and well-shaped Cucumber	05	15	40	1 25
4910 <b>Evergreen.</b> Very early and prolific; deep green color	05	15	30	1 00
4920 <b>Improved Long Green.</b> Long and crisp; a popular variety for pickles	05	15	30	1 00
4930 <b>Long Green Turkey.</b> Fruit very long and rather slim	05	15	30	1 00
4940 <b>Green Prolific Pickling.</b> One of the best for pickling; dark green	05	15	30	1 00
4950 <b>Nichol Medium Green.</b> Most symmetrical and a very fine table sort	05	15	30	1 00
4960 <b>Tailby Hybrid.</b> Very long, and superior for table use	05	15	30	1 00
4970 <b>Japan Climbing.</b> Good for frames or open ground	05	15	30	1 00
4980 <b>Small Gherkin.</b> Very small bur; used for pickles	10	20	50	1 50
4990 <b>Lemon Cucumber, or Garden Lemon.</b> Almost round; yellow and green markings; tender and of sweet flavor. Resembles a lemon in appearance	10	20	50	1 50

## ENGLISH CUCUMBERS FOR FRAMES

(*Concombre espèces Anglaises pour Couches*)

**CULTURE.**—Sow seeds in Oct., Nov., or Dec., according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure; give plenty of air and water. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with brown paper until the seeds germinate. Afterwards uncover and ventilate to insure sturdiness of habit. More seeds should be sown than plants required, as some may fail to grow and others may be weaklings. Only strong plants should be employed. It is

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**English Cucumbers for Frames, continued**

- necessary to fertilize the pistillate flowers with the staminate, to render the vines productive, as, owing to the absence of insects, they will not produce a crop under glass as in open ground.
- |   |      |        |
|---|------|--------|
| 5096 Hurst's Monarch. Splendid sort.....              | Pkt. | \$0 25 |
| 5100 Lockie's Perfection. Fine color.....             |      | 25     |
| 5110 Marvel (Hurst's). Fine shape, heavy cropper..... |      | 25     |
| 5120 Rockford's Market. Fine variety.....             |      | 25     |
| 5130 Telegraph. Free-bearing; handsome.....           |      | 25     |
| 5160 Veitch's Sensation. Fine dark variety.....       |      | 25     |

**ENDIVE or CHICORY**

CHICOREE *Escarola o Endivia* Endivie

CULTURE.—Sow in June, July and August; cover lightly; when up, thin out to 8 inches apart, and water well, if dry. When the leaves are 6 or 8 inches long, blanch by tying together near the top with yarn or raffia. (They must be quite dry, or they will rot.) At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

- |  |        |        |        |        |
|--|--------|--------|--------|--------|
| 5210 Green Curled Winter. Standard sort for fall and winter crop.....          | Pkt.   | Oz.    | ¼lb.   | Lb.    |
| 5220 Large Green Curled (de Ruffec). Broad ribs; fine for fall and winter..... | \$0 05 | \$0 15 | \$0 30 | \$1 00 |
| 5230 Broad-leaved (Escarolle). A sweet variety; fall and winter.....           | 05     | 15     | 30     | 1 00   |
| 5240 White Curled. For early use.....  | 05     | 15     | 30     | 1 00   |

See, also, Witloof (French Endive) under Chicory, page 21

**EGGPLANT**

AUBERGINE *Berengena* Eierpflanze

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Set out plants 3 feet by 2.

- |   |        |        |        |        |
|---|--------|--------|--------|--------|
| 5310 Improved New York Spineless. The standard; largest and best; large, oval, deep purple; early and productive.....   | Pkt.   | Oz.    | ¼lb.   | Lb.    |
| 5320 Black Beauty. As large as the New York Improved but about ten days earlier. Very rich purplish black.....  | \$0 10 | \$0 35 | \$1 00 | \$3 50 |
| 5330 Early Dwarf Purple. Dwarf, very early; small, ovoid fruit. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.   |        |        |        |        |
| 5340 Florida High Bush. Purple, though not so deep as the N. Y. Spineless, which it resembles in shape. Very productive, of vigorous growth, and can stand more cold than N. Y. Purple. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3. |        |        |        |        |
| 5350 Long Purple. Of distinct shape and fine quality. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.   |        |        |        |        |
| 5370 Black Pekin. Round, blackish purple fruit; dark foliage. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$3.25.  |        |        |        |        |
| 5380 Scarlet Chinese. Small and ornamental. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.   |        |        |        |        |
| 5390 Round White. Small and ornamental. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.   |        |        |        |        |
| 5400 Long White. Small and ornamental. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.  |        |        |        |        |
| 5410 Striped. Purple and white. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.   |        |        |        |        |



NEW YORK IMPROVED PURPLE EGGPLANT

**14180 FENNEL, FLORENCE or NAPLES**

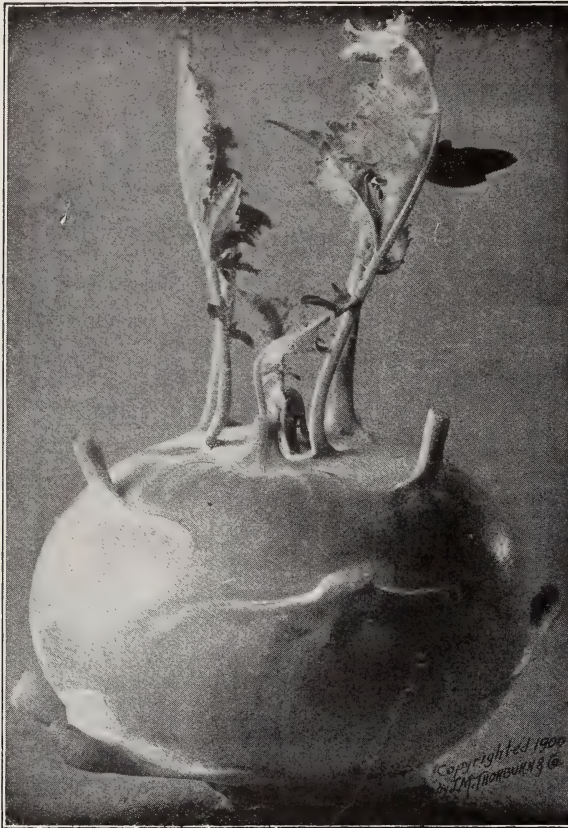
FENOUIL DE FLORECE *Finocchio di Napoli*

CULTURE.—Sow in spring, in rows 16 to 20 inches apart. Thin out so as to have the seedlings 5 or 6 inches apart and water as plentifully as possible. The plant is usually eaten boiled. In flavor it resembles celery, but has a sweet taste and a more delicate odor. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

**5550 ICE-PLANT**

CULTURE.—Sow in good garden soil as soon as the ground becomes warm in spring, in shallow drills 1 foot apart. Thrives well in hot, dry climates. Pkt. 5 cts., oz. 35 cts.

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KOHLRABI

## KOHLRABI

CHOU-RAVE *Colinabo* Kohlrabi

**CULTURE.**—Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 or 10 inches. If the weather is suitable the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

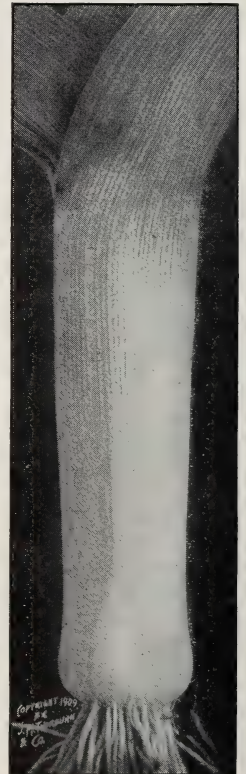
5800	<b>Early White Vienna.</b> Handsome and delicate; Pkt.	Oz.	1/4lb.	Lb.
	white ball.....	\$0 05	\$0 20	\$0 60 \$1 75
5810	<b>Early White Vienna.</b> For frames.....	10	30	85 3 00
5820	<b>Early Purple Vienna.</b> Purple ball, a very good sort	05	20	60 2 00
5830	<b>Early Purple Vienna.</b> For frames.....	10	30	85 3 00
5840	<b>Large White, or Green.</b> Forms a large ball; not so fine, but more productive.....	05	10	35 1 25

## LEEK

POIREAU *Puerro* Porro

**CULTURE.**—Sow very early in spring in drills 6 inches apart and 1 inch deep. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; rich soil is required. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September, and the young plants transplanted in spring to where they are to remain.

5910	<b>BEST LARGE FLAG.</b> Hardy and productive..	\$0 05	\$0 20	\$0 60	\$2 00
5920	<b>Large Rouen.</b> A standard sort; fine keeper.....	05	20	60	2 00
5940	<b>Large Carentan.</b> Distinct and dark-colored leaves; stout in habit and hardy.....	05	20	60	2 00
5950	<b>Musselburgh.</b> Similar to above in every respect	05	20	60	2 00



LEEK

## KALE, or BORECOLE

(Very short crop)

CHOU VERT FRISE *Col* Krauskohl

**CULTURE.**—Nos. 5600 to 5620 are cultivated and grown exactly like cabbage. No. 5600 sown in August and September for early greens. Sow 5700 early in the spring in a hotbed, and when from 1 to 2 inches high transplant into a bed or border that has been highly manured and deeply dug. Sea Kale is not fit to eat until it has been blanched, either under large pots, or by banking up with sand.

- 5600 **Curled Dwarf Green Scotch.** Very dwarf and spreading; best strain; largely grown in the South, being sown in August and September. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts., lb. 90 cts.
- 5610 **Curled Tall Green Scotch.** A taller growth of No. 5600. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts., lb. 90 cts.
- 5620 **Curled Dwarf Brown.** Very hardy. Pkt. 5 cts., oz. 10c., 1/4lb. 30c., lb. 90c.
- 5630 **Curled Siberian Thorburn Improved.** Green curled; hardy. Pkt. 5 cts., oz. 10 cts., 1/4lb. 20 cts., lb. 60c.
- 5640 **Thousand-headed.** Valuable for cattle. Pkt. 5 cts., oz. 10 cts., 1/4lb. 25 cts., lb. 75 cts.
- 5650 **Jersey Winter Kale, or Cow Cabbage.** For feeding cattle; very hardy. Pkt. 5 cts., oz. 10 cts., 1/4lb. 25 cts., lb. 75c.
- 5660 **PeTsai** (The Chinese Cabbage). Grows like Cos lettuce. Pkt. 5 cts., oz. 20c., 1/4lb. 60 cts., lb. \$2.
- 5700 **Sea Kale.** Fine; resembles celery. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

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LETTUCE

# LETTUCE

LAITUE      *Lechuga*      Salat

**CULTURE.**—Sow 6030, 6090, 6114 and 6230 in hotbeds in March, and in the open ground as soon as it can be worked, and transplant to rows 8 inches apart. Sow in two weeks' time same varieties again for a succession, also Cos sorts. Latter part of August sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. Always sow thinly and thin out well, or the plants will not be strong. The last spring sowing had better be grown where sown, being thinned out to 6 to 8 inches apart. Cos Lettuce may be sown in a hotbed early in the year, and transplanted to a coldframe, so as to have good plants to set out at the opening of the ground. Lettuce requires good ground, enriched with thoroughly rotted manure, and well pulverized. The after-culture should be close and careful, to secure the best results. Lettuce seldom, if ever, heads well in hot weather.

*w. s. stands for white-seeded, b. s. for black-seeded*

	Pkt.	Oz.	¼lb.	Lb.
6020 <b>American Gathering.</b> Twisted and curled leaves; fine for early or late sowing. . . . .	\$0 05	\$0 10	\$0 30	\$0 90
6030 <b>Big Boston.</b> Fine for forcing in coldframes or for open ground. <i>w. s.</i> . . . . .	05	20	50	1 50
6040 <b>Buttercup.</b> Yellow, solid, small heads; for forcing or outdoors. <i>w. s.</i> . . . . .	05	20	55	1 75
6050 <b>California Cream Butter.</b> Very large, solid heads; inside very white. <i>b. s.</i> . . . . .	05	15	35	1 25
6060 <b>Coldframe White Cabbage.</b> For starting in coldframes and setting out early. <i>w. s.</i> . . . . .	05	20	50	1 50
6070 <b>Deacon.</b> Large, solid, summer cabbage variety. <i>w. s.</i> . . . . .	05	15	35	1 00
6080 <b>Denver Market.</b> Very curly heads; good for forcing or outdoors. <i>w. s.</i> . . . . .	05	15	35	1 00
6090 <b>Emperor Forcing Improved.</b> Yellow; earliest of all; only for frames. <i>w. s.</i> . . . . .	05	20	55	1 75
6100 <b>Giant Crystal Head.</b> A splendid cabbage Lettuce; large, solid; outside leaves bright green, inside crystal-white, yellow heart, crisp, tender. <i>w. s.</i> . . . . .	05	15	35	1 25
6114 <b>Glasshouse, Thorburn's.</b> For forcing under glass. <i>w. s.</i> . . . . .	05	20	60	2 00
6120 <b>Grand Rapids Forcing.</b> Large, tender; one of the best for forcing. <i>b. s.</i> . . . . .	05	15	35	1 25
6130 <b>Gray-seeded Butter.</b> One of the best; large head. . . . .	05	15	35	1 25
6140 <b>Hanson Improved.</b> Very large and solid; withstands the hot sun well. <i>w. s.</i> . . . . .	05	15	35	1 25
6150 <b>Hothouse.</b> Fine forcing variety. <i>w. s.</i> . . . . .	05	20	60	2 00
6160 <b>Hubbard Market.</b> A large cabbage variety; for forcing or open ground. <i>w. s.</i> . . . . .	05	15	35	1 25
6170 <b>Iceberg.</b> Large, solid, curled heads; yellow heart; crisp and tender. <i>w. s.</i> . . . . .	05	15	35	1 25
6190 <b>Large White-seeded Butter.</b> Fine, large, solid heads; good summer sort. <i>w. s.</i> . . . . .	05	20	50	1 50
6200 <b>Mammoth Black-seeded Butter, Thorburn.</b> A selected strain; large, solid yellow heads. Favorite variety of New York market-gardeners. . . . .	05	15	35	1 25
6210 <b>Market-Gardeners' Private Stock, Thorburn.</b> A selected strain; solid, large heads, resisting the sun for a long time before shooting. <i>b. s.</i> . . . . .	05	20	50	1 50

*We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound*

**Lettuce, continued**

	Pkt.	Oz.	¼lb.	Lb.
6220 <b>Maximum Thorburn.</b> The largest, solidest, crispest and best. <i>b. s.</i> .....	\$0 05	\$0 20	\$0 55	\$1 75
6230 <b>MAY KING.</b> Large, round, solid heads. <i>w. s.</i> .....	05	20	50	1 50
6240 <b>Mignonette.</b> Distinct russet colored; very solid and compact. <i>b. s.</i> .....	05	20	50	1 50
6250 <b>New York Cabbage.</b> Large, solid heads; inside very white. <i>w. s.</i> .....	05	15	35	1 25
6260 <b>Oak Leaf.</b> A curled-leaf variety of bright green color. <i>w. s.</i> .....	05	20	55	1 75
6270 <b>Passion.</b> A medium-sized cabbage variety popular in the South. <i>b. s.</i> .....	05	15	35	1 25
6280 <b>Reichner.</b> Large, white, solid heads; fine for forcing or outdoors. <i>w. s.</i> .....	05	20	50	1 50
6290 <b>"RHEINGOLD."</b> Large solid heads; pure golden yellow. <i>See Novelties.</i> .....	05	20	50	1 50
6300 <b>Salamander Improved.</b> Fine, compact heads; resists summer heat. <i>b. s.</i> ...	05	15	35	1 25
6310 <b>Shotwell Brownhead.</b> Large, handsome, tender heads; very hardy. <i>b. s.</i> ...	05	20	50	1 50
6320 <b>Simpson Early Curled.</b> A leading early sort; very tender. <i>w. s.</i> .....	05	15	35	1 25
6330 <b>Simpson Black Seed.</b> A superior variety; large, and of light color. <i>b. s.</i> ...	05	15	35	1 25
6340 <b>Tennisball White Seed</b> (Boston Market). A well-known forcer. <i>w. s.</i> .....	05	15	35	1 25
6350 <b>Tennisball Black Seed.</b> Forms close, hard heads; for forcing. <i>b. s.</i> .....	05	15	35	1 25
6360 <b>Trocadero.</b> Hardy; for spring or summer; green, tinged russet. <i>w. s.</i> .....	05	20	55	1 75
6380 <b>Yellow Winter.</b> The finest of all coldframe sorts. <i>w. s.</i> .....	05	20	55	1 75

**ROMAINE, or COS VARIETIES**

6440 <b>Bath Cos, Black-Seeded.</b> Pale green leaves, slightly tinged with brown. Early and productive and of fine flavor. <i>b. s.</i> .....	05	20	50	1 50
6450 <b>White Paris Cos.</b> Of upright growth; fine. <i>w. s.</i> .....	05	15	35	1 25
6460 <b>Trianon Cos.</b> Resists heat well. <i>w. s.</i> .....	05	20	50	1 50
6470 <b>Express Cos.</b> A fine, very dwarf early sort, requiring no tying up. <i>w. s.</i> ...	05	15	35	1 25
6480 <b>Balloon Cos.</b> Fine sort. <i>b. s.</i> .....	05	20	50	1 50
6490 <b>GOLDEN YELLOW COS.</b> Long standing; solid; golden yellow. <i>See Novelties.</i> ...	05	20	60	2 00
6500 <b>RED COS.</b> A splendid French sort. <i>See Novelties.</i> .....	05	20	50	1 50

**MUSTARD**

MOUTARDE *Mostaza* *Senf*

CULTURE.—Sow thickly during early spring, in shallow drills, and press the earth well down. For fall salad, sow in September, or in frames or boxes during winter.

	Pkt.	Oz.	¼lb.	Lb.
6650 <b>Black.</b> These seeds form the mustard of commerce.....	\$0 05	\$0 10	\$0 25	
6660 <b>White London.</b> Leaves used for salads while young; grows very rapidly.	05	10	25	1 25
6670 <b>Giant Southern Curled.</b> Very large leaves.....	\$0 05	10	20	50
6680 <b>Chinese Broad-leaved.</b> Leaves of agreeable flavor when cooked like spinach.	05	10	20	50
6684 <b>Elephant's Ear.</b> Immense light green leaves.....	05	10	20	50
6690 <b>Fordhook Fancy.</b> Very ornamental; plants of vigorous growth; leaves dark green, curved outwardly. If used as a vegetable, cook like spinach.....	05	10	20	50
6700 <b>Ostrich Plume.</b> Leaves curled and frilled like an ostrich plume.....	05	10	20	50

**MELON, MUSK (Cantaloup)**

CULTURE.—Select a light, rich, sandy soil, and after all danger of frosts is over, and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road dust, is excellent to sift over young plants when the dew is on, to prevent the attacks of insects. A few hills for early use may be had by sowing in hotbeds, on pieces of sod or in pots. The seed may also be started out-of-doors under hand frames or glasses. It is quite important that proper soil be selected for growing Muskmelons.

**SALMON-FLESHED VARIETIES**

	Pkt.	Oz.	¼lb.	Lb.
6780 <b>Baltimore Market.</b> Oblong; orange flesh, of fine quality; intermediate. <i>So</i>	\$0 05	\$0 15	\$0 35	\$1 25
6790 <b>Banquet.</b> Beautifully netted, medium size, rich salmon flesh, fine quality..	05	15	35	1 25
6800 <b>Burrell's Gem.</b> Reddish orange flesh; fine-grained and spicy.....	05	15	35	1 00
7050 <b>Defender.</b> One of the very best yellow-fleshed sorts; medium size, oval in shape; flesh very firm and rich. Very vigorous and productive.....	05	20	50	1 50
6810 <b>Emerald Gem.</b> Small, extra-early; dark green skin, orange flesh; very sweet.	05	15	35	1 25
7060 <b>Osage.</b> Cocomat-shaped, yellow flesh; light green, netted skin.....	05	20	50	1 50
6820 <b>Paul Rose.</b> Handsome oval variety; rich orange flesh; very sweet.....	05	15	35	1 25
6830 <b>Surprise.</b> Oblong; rich orange flesh of fine quality; early.....	05	15	35	1 25
6840 <b>Nutmeg Tip Top.</b> An improved strain; very sweet; salmon flesh.....	05	15	35	1 25
6850 <b>Orange Christina.</b> Fine orange sort. Round, very sweet and very early..	05	15	35	1 25

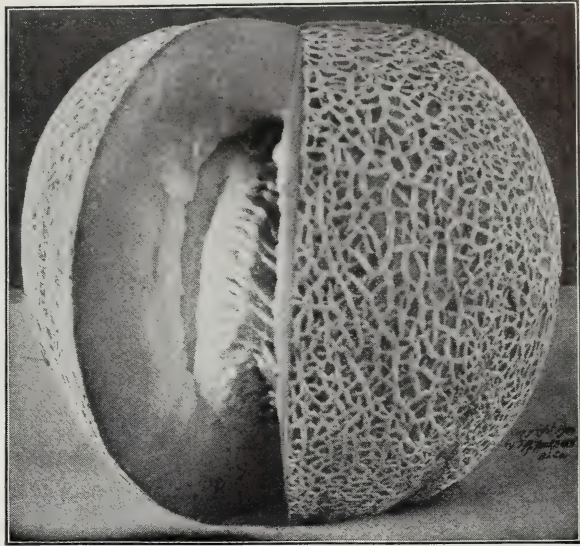
**GREEN-FLESHED VARIETIES**

6880 <b>Bay View Hybrid.</b> Prolific; very large; late; green flesh.....	05	15	35	1 25
6904 <b>HYBRID CASABA.</b> <i>See Novelties.</i> .....	10	25	75	2 50
6910 <b>Champion Market.</b> Large, slightly elongated; netted; flesh light green; early	05	15	35	1 25
6920 <b>Hackensack.</b> Large, round, and of good quality; a popular variety; early..	05	15	35	1 25
6930 <b>" Extra Early.</b> Ripens 10 days earlier than the Hackensack.	05	15	35	1 25
6940 <b>Jenny Lind.</b> Small, green-fleshed; very early, good quality.....	05	15	35	1 25

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**Green-Fleshed Muskmelons, con.**

- 6950 **Long Island Beauty.** On style of Hackensack. The earliest and finest in quality, and the most beautiful of all Muskmelons. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.25.
- 6970 **Montreal, Green.** Large, round, netted; flesh thick and light green; late. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.25.
- 6980 **Netted Gem, Round.** Very early; small and of fine flavor; green flesh. Pkt. 5 cts., oz. 10c., ¼lb. 30c., lb. \$1.
- 6990 **Netted Gem, Oblong.** Same as above, save in shape. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.
- 7000 **Nutmeg.** Sweet, green flesh; very early; named from its shape. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.
- 7010 **Rocky Ford.** Improved Netted Gem; very sweet and fine-flavored; oblong. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.
- 7030 **Skillman's Netted Gem.** Oval shape; early; sweet and highly perfumed; green flesh. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.25.



MUSKMELON

**MISCELLANEOUS VARIETIES**

	Pkt.	Oz.	¼lb.	Lb.
7110 <b>Banana Citron.</b> Cucumber-shaped; highly perfumed; late.....	\$0 05	\$0 20	\$0 50	\$1 50
7120 <b>Mango Melon, or Vine Orange.</b> Size, shape and color of an orange; fine for preserving or for pickling.....	05	20	60	2 00
7130 <b>Pomegranate.</b> Ornamental, for perfume; late.....	05	20	60	2 00
7140 <b>Winter Pineapple.</b> An extraordinary melon; can be kept in splendid condition for months after being pulled. For the South only.....	05	20	50	1 50

**IMPORTED VARIETIES OF MUSKMELON**

**ENGLISH FRAME VARIETIES**

	Pkt.
7220 <b>Eclipse.</b> Green flesh.....	\$0 25
7230 <b>Blenheim Orange.</b> Scarlet flesh.....	25
7250 <b>Monroe's Little Heath.</b> Scarlet flesh.....	25
7260 <b>Sutton's Superlative.</b> Scarlet flesh.....	25
7270 <b>Gunton Scarlet.</b> .....	25
7280 <b>Royal Sovereign.</b> White flesh.....	25
7290 <b>Windsor Castle.</b> Green flesh.....	25

**FRENCH VARIETIES**

*These sorts ripen outdoors here, and are well worthy of cultivation*

7300 <b>Delight of the Table</b> .....	25
7310 <b>Trevoux</b> .....	25
7320 <b>Noir des Carmes</b> .....	25
7330 <b>Tours Sugar</b> .....	25

These are four of the latest Paris market sorts.

**MELON, WATER**

MELON D'EAU      *Zandia*      Wassermelone

CULTURE.—Treat the same as Muskmelon, except that they should be planted 8 or 10 feet apart, according to variety. Light soil is best.

	Pkt.	Oz.	¼lb.	Lb.
7410 <b>Alabama Sweet.</b> Dark green skin; flesh tender and sweet. Fine shipper.....	\$0 05	\$0 10	\$0 25	\$0 75
7430 <b>Black Diamond.</b> Dark green, tough skin; large size, round.....	05	10	25	75
7440 <b>Black Spanish.</b> Roundish, nearly black; dark red flesh; early.....	05	10	25	75
7450 <b>Boss.</b> Oblong, dark green; flesh deep scarlet, and rind thin; intermediate.....	05	10	25	75
7460 <b>Blue Gem, or Iceberg.</b> Bright red flesh; very sweet; fine shipper.....	05	10	25	75
7480 <b>Bradford.</b> Long and of dark color; flesh sweet and tender.....	05	10	25	75
7490 <b>Cole's Early.</b> Medium size; red flesh; green skin.....	05	10	25	75
7500 <b>Cuban Queen.</b> Solid and heavy; skin marked regularly; excellent; early... ..	05	10	25	75
7510 <b>Dixie.</b> Excellent quality; very large and solid; red flesh; intermediate.....	05	10	25	75
7530 <b>Early Fordhook.</b> Extra-early; good size; green skin, red flesh.....	05	10	25	75
7540 <b>Florida Favorite.</b> A superior strain; oblong; red flesh; intermediate.....	05	10	25	75

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**Melon, Water, continued**

	Pkt.	Oz.	1/2lb.	Lb.
7550 Halbert Honey. Dark, glossy, green skin; flesh crimson, luscious and sweet. Strong, vigorous grower and free fruiter. Fine for Northern states.	\$0 05	\$0 10	\$0 25	\$0 75
7560 Hungarian Honey. A very early sort, fine for northern latitudes; perfectly round; brilliant red flesh.	05	10	30	1 00
7570 Ice Cream, White Seed. Very early; red flesh.	05	10	25	75
7580 Icing, Dark. Solid dark green skin; superior quality; white seed; early.	05	10	25	75
7590 Icing, Light. Round; pink flesh of fine quality.	05	10	25	75
7600 Jordan Gray Monarch. Largest grown; crimson flesh; late.	05	10	25	75
7606 Jumbo. Deep red flesh of excellent flavor. Very large, almost globular in shape; striped light and dark green.	05	10	25	75
7610 Kleckley Sweets. Exceedingly sweet and fine-flavored; dark green skin; thin rind; flesh scarlet, solid and firm.	05	10	25	75
7620 Kolb Gem. Large; good shipper; bright red flesh; intermediate.	05	10	25	75
7630 Mammoth Ironclad. Long; very large; late; red flesh; good shipper.	05	10	25	75
7640 Mammoth Santiago. Light green skin, striped dark green; deep blood-red flesh of sweet flavor; uniformly large and long; a good shipper.	05	10	25	75
7650 Mountain Sweet. Red flesh; late.	05	10	25	75
7660 Phinney. Early, and of fine quality; large; solid; red flesh; intermediate.	05	10	25	75
7670 Pride of Georgia. Round; large; crisp; bright red flesh; intermediate.	05	10	25	75
7680 Rattlesnake, Southern. Oblong, dark and striped; bright red flesh; late.	05	10	25	75
7690 Seminole. Very large; quality first-rate; intermediate.	05	10	25	75
7700 Sugar Stick. Light green; oblong; luscious rich red flesh. Strong grower.	05	10	30	1 00
7720 Sweetheart. Very large; bright skin; fine quality.	05	10	25	75
7724 TOM WATSON. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin but tough, so that it stands shipping well. The flesh is deep red, crisp and melting and of finest flavor.	05	10	25	75
7730 Triumph. Bluish green skin, red flesh, large; good shipper.	05	10	25	75
7740 Wonderful Sugar. Very sweet; handsome, oblong shape.	05	10	25	75
7750 Citron, Green Seed. Used for preserves.	05	10	25	75
7760 Citron, Red Seed. Round and handsome; for preserving.	05	10	25	75

**NASTURTIUM**

CAPUCINE *Maraneula* Nasturtium

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

	Pkt.	Oz.	1/2lb.	Lb.
7900 Tall Crimson, 7910 Tall Yellow.	Each \$0 05	\$0 15	\$0 40	
7920 Tall Mixed.	05	10	25	\$0 75
7930 Dwarf Mixed.	05	10	35	1 00

**OKRA, or GUMBO**

GOMBAUD *Quimbombo* Safran

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked whilst small and tender.

	Pkt.	Oz.	1/2lb.	Lb.
8020 Long Green. Tall; very productive; moderately long green pods.	\$0 05	\$0 10	\$0 20	\$0 50
8030 White Velvet. Tender long white pods; smooth and velvety in appearance.	05	10	20	50
8040 Dwarf Green Prolific. Short thick pod.	05	10	20	50
8050 Perkin's Mammoth. Fine strain; very long pods.	05	10	20	50

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**ORACH, or FRENCH SPINACH**

ARROCHE *Arnuella*

CULTURE.—Sow early in spring; cultivate and use like spinach.

	Pkt.	Oz.	¼lb.	Lb.
8100 Red. Distinct; dark red leaves.....	\$0 05	\$0 15	\$0 35	\$1 25
8120 White. Pale green leaves, almost yellow.....	05	15	35	1 25

**MUSHROOM SPAWN**

BLANC DE CHAMPIGNON *Seta* *Champignonbrut*

CULTURE.—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse-manure, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed the required size. Three or 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given, that it be at a temperature of about 100 degrees.



MUSHROOMS

From our experience with English, French and American Spawn, we find there is an important difference between them. If the manure in the bed is in proper condition, the French Spawn will take hold and grow fully as well as the other two; but, if the bed is not in the right state, it will often rot. The American and English Spawn, on the contrary, after starting a little, will remain in a comparatively dormant state for a long time without losing its vitality. It is well to keep these points in mind in ordering spawn. The French Spawn should be slightly moistened by sprinkling with water for two or three days before planting.

8170 American Spawn. In bricks. Per brick 19 cts., 10 bricks \$1.60, per 100 bricks \$12.50. Per lb.	10 lbs.
8190 English Spawn. In bricks.....per 100 lbs.	\$9 05 15 \$1 00
8200 French Spawn. In bricks.....	30 2 50

*Transportation charges extra.*

**MARTYNIA (For Pickles)**

*Gemshorn*

CULTURE.—Sow in May in the open ground, 3 feet apart in each direction, where the plants are to remain; or the seed may be sown in a hotbed, and the seedlings afterward transplanted. These varieties are productive and fine for pickles. Pick when small and tender, and preserve the same as cucumbers.

	Pkt.	Oz.	¼lb.	Lb.
8250 Craniolaria.....	\$0 05	\$0 25	\$0 70	\$2 25
8280 Proboscidea.....	05	25	70	2 25

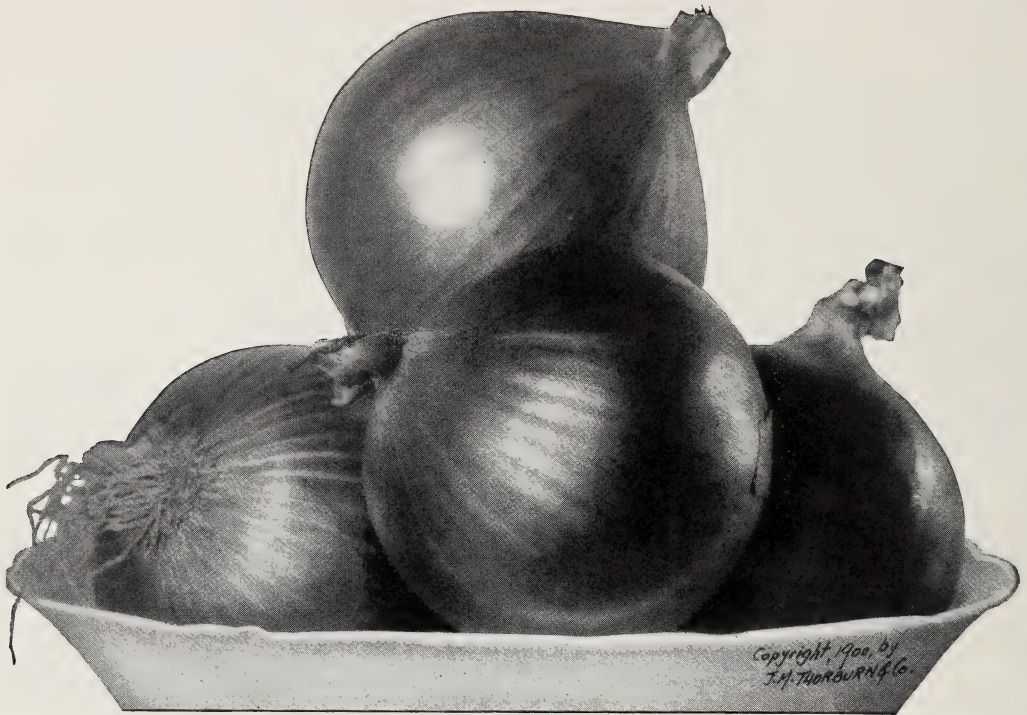
**ONION**

OIGNON *Cebolla* *Zwiebel*

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

	Pkt.	Oz.	¼lb.	Lb.
8320 White Early Barletta. A small white Italian sort; earliest.....	\$0 05	\$0 20	\$0 60	\$2 00
8330 " Queen. Pure white, small, flat, extra-early; fine for pickling.....	05	20	50	1 50
8340 " Pearl. Extra-early, round; white; fine.....	05	20	50	1 50
8350 " Victoria. Italian; white and globular.....	05	20	60	2 00
8360 " Large Portugal. The standard large flat sort of the New York markets.....	10	30	80	2 50
8370 " Large Globe (Southport Strain). Very large and handsome.....	10	30	90	3 00
8380 " Mammoth Garganus, or Silver King. Large, silvery white Italian.....	05	20	50	1 50
8390 " Paris Silverskin. Fine Italian sort.....	05	20	50	1 50

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GLOBE ONIONS

**Onions, continued**

	Pkt.	Oz.	¼lb.	Lb.
8400 White Bermuda (Teneriffe-grown).....	\$0 10	\$0 30	\$1 00	\$3 50
8410 " " Crystal Wax (Teneriffe-grown).....	10	35	1 15	4 00
8420 " Tripoli (El Paso, or Mexican). Large white Italian variety.....	05	20	50	1 50
8430 " Bunching, or Italian Silverskin.....	05	20	50	1 50
8520 " Welsh. The leaves are used for salad early in spring. Sow in fall ..	05	20	60	2 00
8540 Yellow Danvers. A standard sort; early and a good keeper.....	05	20	50	1 50
8550 " Globe Danvers. Of more globular shape; keeps well.....	05	20	50	1 50
8560 " Large Globe (Southport Strain). The finest large yellow.....	05	20	60	2 00
8564 " Globe Michigan. True globe-shape; fine keeper.....	05	20	60	2 00
8570 " Globe Spanish, or Prizetaker. Immense size; globe-shaped.....	05	20	55	1 75
8574 " DENIA. Imported from Spain. See <i>Novelties</i> .....	15	75		
8580 " Strasburg, or Dutch. Fine keeper; flat; yellow skin, white flesh..	05	20	50	1 50
8590 " Globe, Australian. Globe-shaped, thin neck; flesh pure white, solid and crisp. Early and a good keeper.....	05	20	60	2 00
8600 " Ailsa Craig. A splendid yellow globe variety, grown largely for exhibition purposes.....	10	35	1 15	4 00
8700 Red Australian Brown. Medium size, hard, solid; very early.....	05	20	50	1 50
8710 " Bermuda (Teneriffe-grown).....	10	30	85	2 75
8720 " Large Wethersfield. Half-early, and a good keeper; large size.....	05	20	50	1 50
8730 " Large Globe (Southport Strain). The finest large red sort.....	05	20	60	2 00
8740 " Early Globe. Like above, but earlier and not so large.....	05	20	55	1 75
8750 " Early Flat. Medium size, very early, deep red; mild flavor.....	05	20	55	1 75
8760 Chives Seed.....	10	50		
8790 Yellow Potato Onion (Seed).....	10	35	1 00	3 50
8820 Shallot Seed.....	10	50		

**ONION SETS**

Plant in drills about 12 inches apart and 4 inches in the rows. They must have high culture.

*These are the prices ruling in January; later on they may be higher.*

	Qt.	½pk.	Pk.
Yellow Onion Sets.....	\$0 20	\$0 60	\$1 00
White Onion Sets.....	25	75	1 25
Red Onion Sets.....	20	60	1 00

# PEAS

Pois *Chicharos o Guisantes* Erbsen

**CULTURE.**—A week may be gained in earliness by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart, according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly) and 4 inches deep. In this climate, the O'Rourke Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often and keep the ground clean and fine. The tall sorts can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like bush beans, with rows about the same distance apart. The holes which are sometimes found in Peas are caused by the Pea weevil (*Bruchus pisi*). The beetles lay their eggs on the young pods, and the larvæ, as soon as hatched, make their way through the pods and into the nearest peas. If the new aphide attacks the Peas, spray the vines every day with clear water of the same temperature as the atmosphere.

Those marked with a star (\*) are wrinkled marrows, and, unless otherwise stated, should be sown thicker than the round Peas, and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas. Those marked thus (†) are large-podded sorts.

We supply packets of Peas at 10 cts. each, postpaid, except where quoted otherwise; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

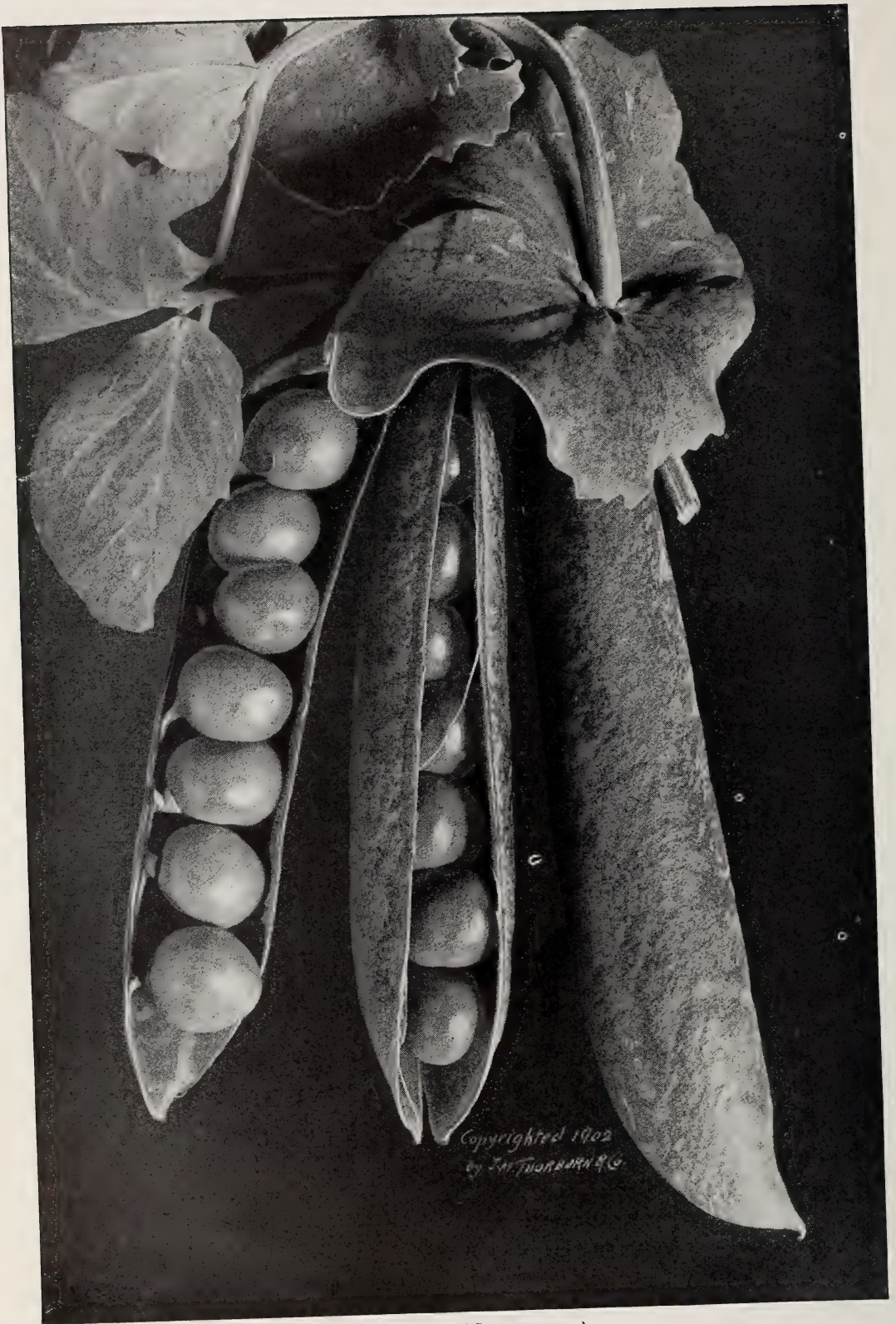
## EXTRA-EARLY

	Height in feet	Per pint	Per quart	Per ½pk.	Per pk.
8900 <b>Thorburn Extra-Early Market.</b> Our standard market-garden extra-early Pea; productive and profitable to grow.....	2½	\$0 25	\$0 40	\$1 30	\$2 25
8910 <b>Daniel O'Rourke, Improved.</b> Extra-early; favorite market-garden sort.....	2½	25	40	1 30	2 25
8920 <b>First-of-All.</b> First-class selected strain of extra-earlies.....	2½	25	40	1 30	2 25
8930 <b>Alaska.</b> One of the very earliest blue Peas; quite productive.....	2½	25	40	1 30	2 25
8940 *† <b>Thomas Laxton.</b> A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain 7 or 8 large, wrinkled peas of the finest flavor. Pkt. 15 cts....	3	35	60	2 25	4 00
8950 †* <b>Gradus</b> , also called <b>Prosperity.</b> One of the finest extra-early Peas yet introduced; is in condition to pick about four days after Extra-Early Market. Pods very large, filled with large, wrinkled deep green peas of finest quality.....pkt. 15c....	3	35	60	2 25	4 00
8970 <b>Ameer</b> (Claudit). Finest quality; exceedingly productive.....	2½	25	45	1 50	2 50
8980 * <b>American Wonder.</b> Early and productive; fine quality.....	1	25	45	1 50	2 50
8990 * <b>Sutton's Excelsior.</b> Dwarf Wrinkled Pea, as early as American Wonder, with much broader pods, filled with large peas of the finest flavor, and produced in greater abundance.....	1	30	50	1 75	3 00
9000 * <b>Nott's Excelsior.</b> Splendid early wrinkled sort; very prolific.....	1	30	50	1 75	3 00
9010 * <b>Premium Gem.</b> Early, straight pods, well filled.....	1	25	45	1 50	2 50
9020 * <b>Little Gem.</b> Early; straight pods.....	1½	25	45	1 50	2 50
9050 * <b>Wm. Hurst.</b> Dwarf, wrinkled. On style of American Wonder....	1	30	50	1 75	3 00
9060 * <b>PETER PAN.</b> See <i>Novelties</i> .....Pkt. 25c....	1½				
9070 <b>SAXONIA.</b> See <i>Novelties</i> .....Pkt. 25c....					

## EARLY AND MEDIUM

9130 * <b>Advancer.</b> A fine standard sort of excellent quality.....	2½	25	40	1 30	2 25
9160 * <b>Abundance.</b> Long, round, well-filled pods; sow thinly.....	1½	25	45	1 50	2 50
9170 * <b>Horsford's Market-Garden.</b> On the style of Advancer; very prolific.....	2½	25	40	1 30	2 25
9180 * <b>Everbearing.</b> Long pods; large pea; sow thinly.....	2½	25	40	1 30	2 25
9190 † <b>Pride of the Market.</b> Very large pods, green pea; sow thinly....	2	30	50	1 75	3 00
9200 * <b>Champion of England.</b> A well-known standard sort; sow thickly.	5	25	45	1 50	2 50
9210 * <b>Dwarf Champion.</b> A dwarf form of the popular Champion of England, with large pods; very productive; finest quality....	2	25	45	1 50	2 50
9220 †* <b>Duke of Albany</b> (American Champion). Immense pods on style of Telephone; very superior.....	5	30	55	2 00	3 50
9260 †* <b>Heroine.</b> Large, full pods; enormously productive.....	2½	25	45	1 50	2 50
9280 †* <b>Sutton's Dwarf Defiance.</b> Straight, long pods, dark green in color, closely packed with large Peas of superior flavor. Very productive.....	2½	30	50	1 75	3 00
9290 †* <b>Shropshire Hero.</b> Very productive; long, handsome pods; fine flavor.....	2½	25	45	1 50	2 50
9300 * <b>Yorkshire Hero.</b> A spreading variety; productive; sow thinly....	2½	25	40	1 30	2 25

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



**GRADUS PEAS** (See page 31)

**MAIN AND LATE CROP**

	Height in feet	Per pint	Per quart	Per ½pk.	Per pk.
9400 †*Admiral Dewey. Enormous pods; large, wrinkled peas of fine flavor; very productive.....	3½	\$0 30	\$0 50	\$1 75	\$3 00
9410 †*Juno. Large, straight pods; fine quality; very productive.....	1½	30	50	1 50	2 50
9420 †*Stratagem. Very large pods; peas of finest quality.....	1½	30	50	1 75	3 00
9440 †*Telegraph (L. I. Mammoth). Large pods and peas.....	4	30	50	1 75	3 00
9450 †*Telephone. Enormous pods and peas of best quality.....	4	30	50	1 75	3 00
9460 White Marrowfat. A favorite; heavy yielder.....	4	15	25	90	1 65
9470 Black-eyed Marrowfat. Very hardy and prolific; for market.....	3	15	25	90	1 65

We supply packets of Peas at 10 cts. each, postpaid.

**SUGAR PEAS (EDIBLE PODS)**

Sugar Peas have edible pods which are eaten when young.

	Height in feet	Per pint	Per quart
9540 Mammoth Gray-seeded Sugar. Immense pods.....	Pkt. 15 cts...	5	\$0 40
9550 Dwarf Sugar. Very early.....			30 50
9564 Luscious Sugar.....	Pkt. 15 cts...		40 75

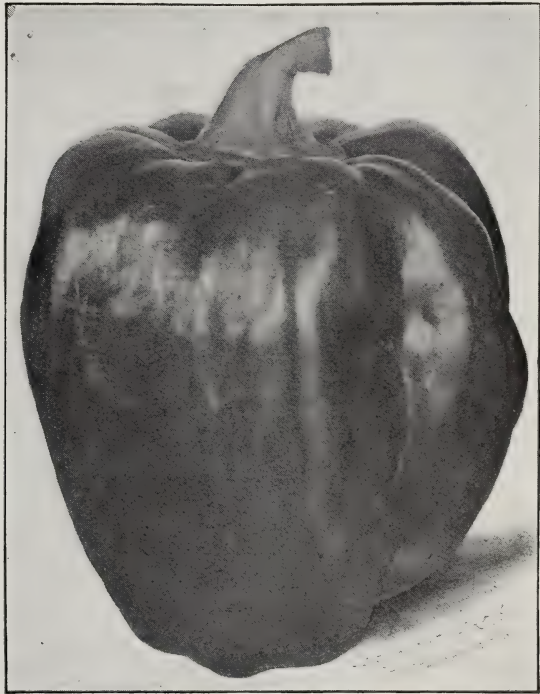
PARSLEY and PARSNIP. See page 34.

**PEPPER**

PIMENT *Pimiento* Pfeffer

CULTURE.—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows; hoe frequently. The plants may also be forwarded in small pots.

- 9650 Bell, Large. Large, bright red; largely used for pickling. It is of such mild flavor that it may be eaten as a vegetable. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 9660 Chinese Giant. Very large; flesh very mild and thick; bright scarlet color. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$4.
- 9670 Cayenne Long Red. Bright red slender pods, 3 inches long; pungent. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 9680 Celestial. At first fruit is yellow, but when fully matured, a deep scarlet. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 9700 Golden Queen Mammoth. Very large fruits; rich golden yellow color; early. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.



PEPPER

	Pkt.	Oz.	¼lb.	Lb.
9710 Monstrous. Very large and of mild flavor; for use when green.....	\$0 05	\$0 20	\$0 60	\$2 00
9720 Neapolitan. Very early and productive. Large and sweet.....	05	25	75	2 50
9740 Red Cherry. Cherry-shaped; for pickles, for which they are largely used...	05	25	65	2 25
9750 Red Chili. Very productive; very small, red and very pungent.....	05	25	65	2 25
9760 Red Cluster. A new type of Chili, with upright, bright red fruits.....	05	25	65	2 25
9770 Ruby King. Bright red, 4 to 6 inches long; mild; best for stuffing.....	05	35	85	3 00
9780 Squash, Large. Productive; for pickles.....	05	25	75	2 50
9790 Sweet Mountain. Large size; regular, handsome shape; mild flavor.....	05	25	75	2 50
9800 Sweet Spanish. Large, mild; used for salad.....	05	25	75	2 50
9810 Tabasco. True. Bush 3 feet high; small, long, bright red fruit in clusters; very hot and the best for pepper-sauce and pickling.....	10	45	1 50	4 50
9840 Upright Sweet Salad. Finest of all. Handsome; bright scarlet color; thick flesh; mild and very sweet; productive and of finest quality.....	10	35	1 00	3 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound

## PARSLEY

PERSIL *Perijil* Petersilie

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring, and until the middle of July in drills 1 foot apart. Have the soil thoroughly pulverized, and, after sowing the seed, pat it down lightly with the spade. Thin out the plants to 4 inches. To preserve in winter, transplant to a light cellar or coldframe. No. 9970 should be thinned out while young, and managed in after-cultivation the same as carrots and parsnips. The roots are edible either raw or cooked.

	Pkt.	Oz.	¼lb.	Lb.
9920 Thorburn's Extra Curled. Superior.....	\$0 05	\$0 15	\$0 35	\$0 90
9930 Thorburn's Moss Curled. Very pretty.....	05	15	35	90
9940 Fern-leaved. Fine curled.....	05	15	35	1 00
9950 Plain. The ordinary form.....	05	15	35	90
9960 Beauty of the Parterre. For edging, and equally good as a condiment....	05	15	40	1 25
9970 Hamburg, or Rooted. Edible roots.....	05	20	50	1 75
9980 Glory of Erfurt. Turnip-rooted.....	05	20	50	1 75
9990 Turnip-rooted Thick Sugar.....	05	20	50	1 75

## PARSNIP

PANAIS *Chirijia* Pastinake

CULTURE.—Sow as early in the spring as the ground can be worked, in rich soil, in drills 18 inches apart. The ground should be well and deeply dug. Thin to 6 or 8 inches in the rows. Hoe and cultivate often to keep down weeds.

	Pkt.	Oz.	¼lb.	Lb.
10030 Thorburn Hollow Crown. A market-gardener's strain.....	\$0 05	\$0 15	\$0 35	\$0 90
10050 Early Round.....	05	15	35	90

## PUMPKIN

POTIRON *Calabaza* Große Kürbis

CULTURE.—May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 or 10 feet apart each way, four seeds in a hill. In other respects are cultivated in same manner as melons and cucumbers. Avoid planting them near other vines.

	Pkt.	Oz.	¼lb.	Lb.
10150 Large Cheese. Flat; one of the best varieties for family use.....	\$0 05	\$0 10	\$0 20	\$0 60
10160 " " Kentucky. Flat; fine for pies, etc.....	05	10	20	50
10170 Early Sugar. Fine-grained, sweet and prolific; small; yellow.....	05	10	20	60
10200 Golden Oblong. Orange skin, light yellow flesh; fine quality; good keeper	05	10	20	60
10210 Cushman Golden. Fine yellow crookneck sort.....	05	10	25	80
10220 " Striped. A splendid striped crookneck variety.....	05	10	25	80
10224 " White. A white crookneck variety of excellent quality.....	05	10	25	80
10230 Tennessee Sweet Potato. Bell-shaped; thick, white flesh; fine for pies....	05	10	25	80
10240 Calhoun. Very superior quality; yellow flesh; fine for pies.....	05	10	25	75
10244 Japan Crookneck. Fine keeper. Quality excellent.....	05	10	25	75
10250 Red Etampes. Medium size, flat; very productive.....	05	15	40	1 25
10254 Jonathan. Large, white crookneck; fine for pies.....	05	15	35	1 00
10260 Mammoth King. Grows to an enormous size.....	05	15	40	1 25
10270 Mammoth Tours. A very large French variety.....	05	10	25	75
10280 Quaker Pie. Very prolific and a good keeper; fine for pies.....	05	10	25	80
10290 Winter Luxury. A fine keeper and one of the best for pies.....	05	10	25	80
10300 Connecticut Field. Grown in corn-fields for stock..... ½lb. 20 cts..	05	10	15	30

## SEED POTATOES GROWN EXPRESSLY FOR SEED

POMME DE TERRE *Palatas* Kartoffeln

CULTURE.—Three to four barrels to the acre. In order to have the best success in growing Potatoes, it is necessary to plant as early as the ground can be made ready. Select a rich soil, and plant in rows 3 feet apart, and the sets 1 foot in the rows. If wood-ashes and plaster can be procured, sow a good dressing over the field after the Potatoes are up. If a very early crop is desired, it will be necessary to sprout the Potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room for four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that, as soon as planted, they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hotbed two weeks before they are wanted, and then lift carefully and set out on fresh horse-dung, so that the heat will cause them to start at once. If the Colorado Potato-beetle makes its appearance, the vines must be dusted with Paris green mixed with about 80 parts of plaster; or what is better, mix the Paris green in water, one small tablespoonful to a pailful, and apply with a small brush or broom. Take care to stir the mixture often, or else the Paris green will settle to the bottom. Two or three applications during the season will usually suffice to clean off all the beetles.

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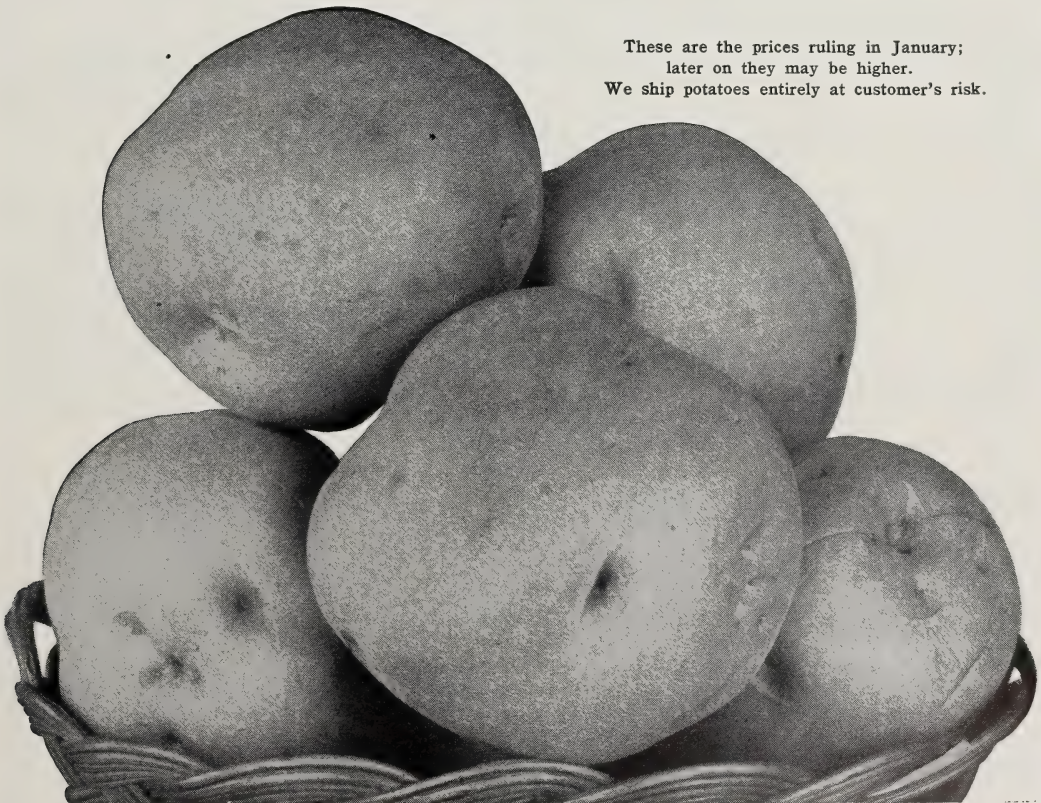
**EARLY POTATOES**

		Pk.	Bus.	Bbl.
10400 <b>NOROTON BEAUTY.</b> The finest and most productive extra-early Potato $\frac{1}{2}$ pk. grown. Handsomer in appearance and more uniform in shape than any other sort. Its table quality is superb. Original stock. $\frac{1}{2}$ bus. \$1.60. \$0 50		\$0 85	\$2 75	\$6 00
10410 <b>The Thorburn.</b> We recommend it as one of the best for first crop. It is very early and of the finest quality; also very productive and of good size and form.....	45	70	2 25	5 00
10420 <b>Thorburn's Beauty of Hebron.</b> Slightly flesh-colored skin, with pure white flesh. Very productive and of the finest quality; a first-class early variety.....	40	65	2 00	4 75
10430 <b>Irish Cobbler.</b> Fine white; vigorous grower.....	45	75	2 35	5 50
10440 <b>Bovee.</b> Extra-early; very productive; of fine quality; flesh white.....	45	70	2 25	5 00
10460 <b>Early Rose.</b> Popular market sort; very early; fine quality; very productive	40	65	2 00	4 75
10500 <b>Bliss' Triumph.</b> Very early and very productive; handsome color; resists disease well. Good sort for the South.....	40	65	2 00	4 75

**INTERMEDIATE AND LATE VARIETIES**

10520 <b>Gold Coin.</b> A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form, light golden skin; flesh pure white, fine-grained; cooks very dry.....	45	70	2 25	5 00
10530 <b>Carman No. 1.</b> This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort the world over. The finest second-early Potato ever offered.....	40	65	2 00	4 75
10540 <b>Uncle Sam.</b> Handsome shape, good size, fine quality.....	40	65	2 00	4 75
10560 <b>Sir Walter Raleigh.</b> Very productive; white flesh of best quality.....	40	65	2 00	4 75
10580 <b>Rural New Yorker.</b> Very few and shallow eyes; pure white skin and flesh; immense yielder; fine table quality.....	40	65	2 00	4 75
10590 <b>Green Mountain.</b> Oval shape, white skin and flesh; excellent; heavy yielder.	40	65	2 00	4 75

These are the prices ruling in January;  
later on they may be higher.  
We ship potatoes entirely at customer's risk.



NOROTON BEAUTY POTATOES

# RADISH

RADIS ET RAVE

Rabanos y Rabanitos

Radies und Rettig

**CULTURE.**—Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, every week or ten days for a succession, up to the middle of June, after which they are but little used, unless a cool northern spot can be had, where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 10 pounds to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts.

Varieties marked with an asterisk (\*) are best suited for market-gardeners.

**10680\*Turnip, Early Scarlet.**

Very early. The French favorite. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.

**10690\*Turnip, Early Scarlet Forcing.**

Crisp; very early. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

**10700 Turnip, Early Scarlet Forcing, Giant Butter.**

Very large; crisp and tender; does not become hollow or pithy. Sow seed deeper than ordinary sorts and thin to stand further apart.



	Pkt.	Oz.	¼lb.	Lb.
	\$0 05	\$0 15	\$0 40	\$1 00
<b>10710*Turnip, Early Scarlet White-tipped.</b> Very early; for frames or outdoors.	05	10	20	60
<b>10720</b> " " " " <b>Forcing</b> .....	05	10	25	75
<b>10740</b> " " <b>Deep Scarlet.</b> Very early; crisp.....	05	10	20	60
<b>10760</b> " " " " <b>Forcing</b> .....	05	10	25	75
<b>10770*</b> " " <b>Scarlet Gem, White-tipped Forcing</b> .....	05	10	20	60
<b>10800</b> " " <b>Triumph (Speckled Beauty).</b> Very prettily striped or mottled scarlet and white; fine forcer.....	10	25		
<b>10810*</b> " " <b>Scarlet Globe-shaped.</b> Fine for forcing or open ground..	05	10	20	65
<b>10820</b> " " <b>Crimson Giant.</b> Double the size of the above, yet never pithy. For forcing or outdoors; tender and crisp.....	05	10	25	75
<b>10840*</b> " " <b>Non Plus Ultra.</b> Extra-early scarlet forcing.....	05	10	25	75
<b>10860</b> " " <b>White, or Box.</b> For forcing; flesh pure white and sweet...	05	10	25	75
<b>10880</b> " <b>Large White Summer.</b> Of large size; roundish.....	05	10	25	75
<b>10900*</b> " <b>Golden Summer.</b> Smooth and bright skin.....	05	10	25	75
<b>11000*French Breakfast.</b> Pink and white; early.....	05	10	20	65
<b>11030*Olive-shaped Golden Yellow.</b> A good sort of very fine quality.....	05	10	25	75
<b>11050</b> " <b>White.</b> Mild and fine for summer.....	05	10	25	75
<b>11060*</b> " <b>White Forcing (White Rocket).</b> A forcing strain of above.	05	15	40	1 00
<b>11070*</b> " <b>Deep Scarlet.</b> Crisp; very early.....	05	10	25	75
<b>11080*</b> " <b>Deep Scarlet Forcing (Red Rocket).</b> A forcing strain of the above.....	05	10	25	75
<b>11090</b> " <b>Deep Scarlet White-tipped</b> .....	05	10	25	75
<b>11140 Half-long Deep Scarlet (Paris Beauty).</b> Flesh bright and crisp .....	05	10	25	80
<b>11150</b> " <b>Delicacy.</b> Half-long, smooth, snow-white; fine forcer .....	05	10	25	75
<b>11160</b> " <b>White Forcing.</b> Splendid, pure white; fine forcer .....	05	10	25	75
<b>11180*Long Scarlet Short Top.</b> Very long, crisp; for frames or outdoors.....	05	10	20	50
<b>11190</b> " <b>Brightest Scarlet White-tipped</b> .....	05	10	20	50
<b>11200*</b> " <b>Scarlet Chartier, White-tipped</b> .....	05	10	25	75
<b>11210</b> " <b>White Naples.</b> Slender; for summer use.....	05	10	25	75
<b>11220*</b> " <b>White Vienna, or Lady Finger.</b> Crisp and tender in summer.....	05	10	25	75
<b>11230</b> " <b>Icicle.</b> Pure white, of fine flavor; suitable for forcing.....	05	10	25	75

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



**Radish, continued**

	Pkt.	Oz.	¼lb.	Lb.
11240 Long Cincinnati Market. An improved strain of Long Scarlet . . . . .	\$0 05	\$0 10	\$0 20	\$0 50
11250* " Wood's Frame. Long, red, crisp and good forcer. . . . .	05	10	20	50
11290 Round Scarlet China. Fine for winter or summer. Matures in 6 or 8 weeks	05	10	25	75
11320*White Strasburg Summer. Very large; the German's favorite. . . . .	05	10	20	65
11330* " Stuttgart Summer. Very early and very large. . . . .	05	10	25	75
11380*Winter Scarlet Chinese, Oblong. Very handsome and distinct and keeps well. . . . .	05	10	25	75
11390 " Long Black Spanish. The popular winter sort. . . . .	05	10	25	75
11400 " Half-long Black Spanish. Very fine strain. . . . .	05	10	25	75
11410 " Oval Black Spanish. Shorter and more oval than the above. . . . .	05	10	25	75
11420 " Round Black Spanish. Fine for winter. . . . .	05	15	35	1 00
11440 " Celestial. Very large; white; solid and crisp. Fine winter sort. . . . .	05	10	25	75
11450 " California, or Russian Mammoth. Large white winter variety. . . . .	05	15	35	1 00
11480 Sakurajima (Mammoth Japan). The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development. . . . .	05	20	50	1 50
11510 Raphanus caudatus (Edible-pod Radish; Rat-tailed Radish). Has edible seed-pods; use raw or pickled. . . . .	10	50		

**RAMPION**

RAIPONCE *Reponche* Rapunzel-Rübe

CULTURE.—Sow in the open ground early in May, either broadcast or in drills 10 inches apart. As the seed is very fine, it merely requires to be pressed firmly into the soil. Thin out the seedlings if they come out too thick, and water frequently during hot weather. The roots may be gathered for use from October onward throughout the winter.

	Pkt.	Oz.	¼lb.	Lb.
11550 Rampion. The roots and leaves are excellent as salad. . . . .	\$0 10	\$0 25	\$0 75	\$2 50

**11590 ROQUETTE**

CULTURE.—Sow early in spring, in rows, and thin out to 8 or 10 inches. If kept well scuffed and watered, the tart flavor of the leaves is greatly diminished. This flavor is not pronounced in the small leaves, which are used for salad. The flowers, appearing from May to June, have very much the odor of orange blossoms. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.

**RHUBARB**

CULTURE.—Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of March, in drills 4 inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following spring transplant again to a permanent location, setting 4 or 5 feet apart each way. In good soil, Rhubarb is ready to use the second year from seed. When roots are set out, plant them 4 or 5 feet apart each way, and keep weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall, the bed should have a thick dressing of coarse manure, to be spaded under in spring.

	Pkt.	Oz.	¼lb.	Lb.
11640 Victoria. . . . .	\$0 05	\$0 15	\$0 40	\$1 25
11660 Crimson Winter. . . . .		10	35	1 00
11700 ROOTS, of Victoria only. Strong. 15 cts. each, \$1.50 per doz. Transportation charges extra.				3 50

**11740 SCOLYMUS**

The roots resemble a small parsnip, and will keep through the winter like a turnip. It is cultivated exactly like the carrot, except that it should be grown in rows 3 feet apart and 18 inches in the rows. It is eaten boiled like salsify. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

**11780 SCORZONERA**

CORZONERE *Escorzonera* Scorzionwurzel

CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but, on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Under date of July 4, 1911, Mrs. L. H. Piet, of Brooklyn, writes: "Enclosed find — for which please send me the following —. I also want to take this opportunity to express my great satisfaction with the results obtained from Vegetable and Flower Seeds purchased from you earlier in the season."

*We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.*

## SALSIFY, or VEGETABLE OYSTER

SALSIFIS *Ostion Vegetal* *Safertwurz*

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Keep them free from weeds. Cultivate the same as carrots and parsnips. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces ½ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster. Sow 8 to 10 pounds to the acre.



SALSIFY, THORBURN'S IMPROVED THICK-ROOTED

- 11850 **Mammoth Sandwich Island.** Large. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.
- 11880 **Thorburn's Improved Thick-rooted.** Thick and smooth. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.25.

**SKIRRET** (see page 41)

## SORREL

OSEILLE *Acedera* *Sauerampfer*

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

- 11930 **Garden, Large French.** Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 11934 " **Large Belleville.** Very large. Pkt. 10c., oz. 25c., ¼lb. 75c., lb. \$2.50.
- 11950 " **Large-leaved German.** Pkt. 5c., oz. 20 cts., ¼lb. 65 cts., lb. \$2.

## SPINACH

EPINARD *Espinaca* *Spinat*

CULTURE.—Sow in early spring, in drills a foot apart (10 to 12 lbs. to the acre), every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves

after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 feet apart each way, three or four seeds in a hill.

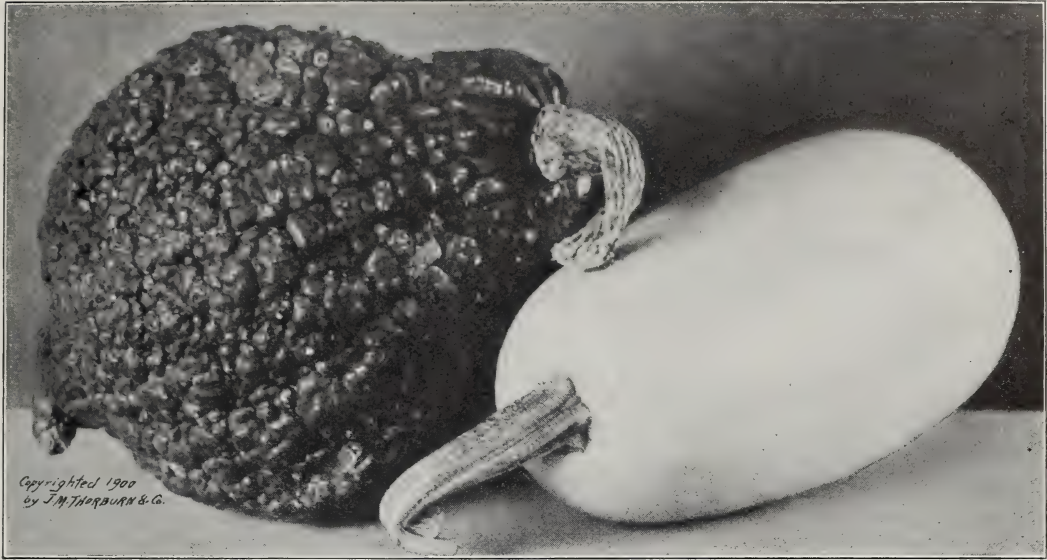
12000 <b>Round Viroflay (Thick-leaved).</b> Has very large, thick, dark green leaves; Pkt. Oz. ¼lb. Lb.				
the favorite market-gardeners' sort for fall or spring sowing.....	\$0 05	\$0 10	\$0 15	\$0 35
12010 <b>Long Season, Thorburn's.</b> Stands longer before running to seed than any other sort except New Zealand.....	05	10	15	35
12020 <b>Round-leaved Flanders.</b> A standard sort.....	05	10	15	35
12040 <b>Lettuce-leaved.</b> Popular French sort.....	05	10	15	35
12050 <b>Curled-leaved Savoy, or Bloomsdale.</b> Large, curled and wrinkled leaves; tender and of finest flavor.....	05	10	15	35
12060 <b>Long-standing (Round Thick-leaved).</b> Dark green; leaves large and thick; very long-standing. Best for spring growing.....	05	10	15	35
12070 <b>Victoria.</b> Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for spring sowing.....	05	10	15	35
12080 <b>Prickly, or Winter.</b> Vigorous and hardy; recommended for fall sowing...	05	10	15	35
12100 <b>Triumph.</b> An improved long-standing sort.....	05	10	15	35
12120 <b>New Zealand Summer.</b> Not a spinach, but used as such. Grows 1 ½ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before using.....	05	10	30	80

## 1690 SWISS CHARD, or SILVER BEET

This is a Beet producing leaves only, of a quality superior to those of the ordinary Beet, and excellent as greens. Cultivate about the same as spinach, by sowing the seed in early spring, in drills about a foot apart. As it grows, thin out for use, and keep clear of weeds if success is desired. Good cultivation will greatly increase the delicacy and tenderness of the leaves. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1. Pk. Oz. ¼lb. Lb.

- 1700 **GIANT LUCULLUS.** See *Novelties* .....\$0 05 \$0 15 \$0 50 \$1 50

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.



MAMMOTH WARTED HUBBARD SQUASH

VEGETABLE MARROW

## SQUASH

COURGE *Calabaza* *Speise Kürbiß*

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart.

### BUSH VARIETIES

	Pkt.	Oz.	¼lb.	Lb.
12200 <b>Early Golden Bush.</b> Fine for summer; not so early as the White Bush.	\$0 05	\$0 10	\$0 25	\$0 75
12210 <b>Golden Custard.</b> Mammoth strain of the Golden Bush. A valuable variety; golden yellow flesh; fine quality.	05	10	25	80
12220 <b>Early White Scallop Bush.</b> A good early shipping variety.	05	10	25	75
12224 <b>Mammoth White Scallop Bush.</b> Not so early as the former but it produces larger fruits.	05	10	25	75
12230 <b>Long Island White Bush.</b> An improved strain of Early White Scallop Bush; very prolific.	05	10	25	75
12234 <b>Fordhook White Bush.</b> Oblong fruits; smooth, thin yellow skin; thick flesh; productive.	05	10	30	1 00
12250 <b>Silver Custard.</b> A mammoth strain of Early White Bush. Very large.	05	10	25	75
12270 <b>Summer Crookneck.</b> Yellow fruit; distinct, best for summer.	05	10	25	75
12280 <b>Giant Summer Crookneck.</b> Double the size of the above.	05	10	25	80
12300 <b>Cocozell Bush.</b> A fine variety; oblong shape; skin smooth, dark green, marbled yellow or pale green.	05	15	35	1 00

### RUNNING VARIETIES

12400 <b>Bay State.</b> Hard, blue shell; for fall or winter.	05	15	40	1 25
12410 <b>Boston Marrow.</b> Oval; bright orange; flesh yellow and fine.	05	10	30	1 00
12420 <b>Canada Crookneck.</b> Small, well-known winter sort; green skin.	05	15	40	1 25
12430 <b>Cocanut.</b> Of first-rate quality and very prolific.	05	15	40	1 25
12440 <b>Delicata.</b> Orange-yellow, striped green; small size, but very prolific; it is extra-early, solid, and a good keeper; flesh dry and of fine quality.	05	15	40	1 25
12450 <b>Delicious.</b> Green skin, orange flesh; fine-grained, sweet and dry.	05	15	40	1 25
12460 <b>Essex Hybrid.</b> A good fall and winter sort; fine-grained; rich flavor; very prolific.	05	15	40	1 25
12470 <b>Fordhook.</b> One of the best winter sorts; fine quality.	05	15	40	1 25
12490 <b>Golden Bronze.</b> Skin green; flesh yellow, fine-grained and sweet.	05	15	40	1 25
12500 <b>Hubbard.</b> Well known and liked for late use; an excellent sort for pies.	05	15	40	1 25
12510 " <b>Golden.</b> Same as above, but with orange-red skin.	05	15	40	1 25
12520 " <b>Red.</b> Same as Hubbard, but with bright red skin.	05	20	50	1 50
12530 " <b>Mammoth Warted.</b> Immense size, covered with warts.	05	20	50	1 50

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**Squash, Running Varieties, continued**

	Pkt.	Oz.	¼lb.	Lb.
12540 Mammoth Chili. Rich orange flesh; grows to an enormous size.....	\$0 05	\$0 15	\$0 40	\$1 25
12570 Orange Marrow. Quite distinct; very early, and of most delicate flavor; suitable for fall and winter.....	05	15	40	1 25
12580 Perfect Gem. Round, white; fine quality; good for fall or winter.....	05	20	50	1 50
12610 Warren. Of superior quality; a type of the Essex Hybrid .....	05	15	40	1 25

**VEGETABLE MARROW**

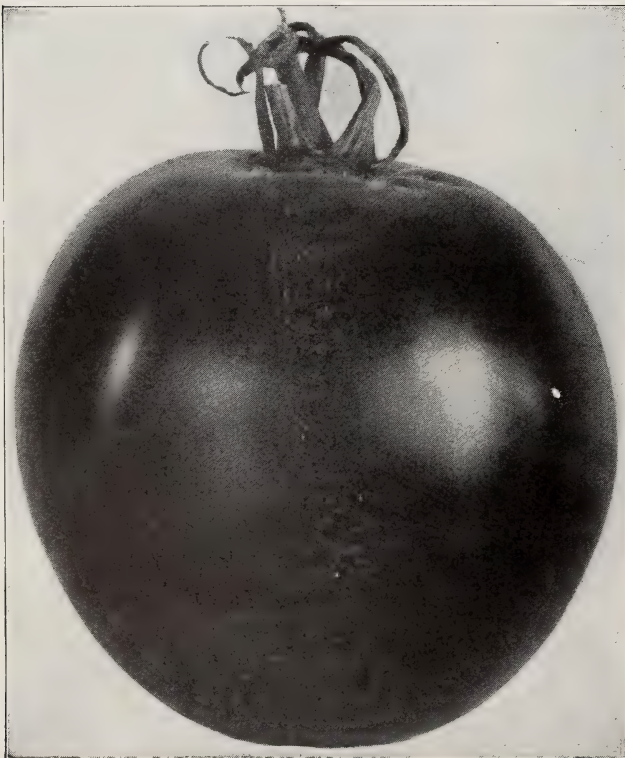
12680 English. The true English strain; cream-color, merging into deep yellow; white flesh; about 9 inches long.....	05	15	40	1 25
12700 Italian ( <i>Cocozelle di Napoli</i> ). Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or paler green. In Italy it is eaten when quite young.....	05	15	35	1 00

**TOMATO**

TOMATO *Tomates* Liebesäpfel

CULTURE.—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window, when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be had several weeks earlier by sowing seed quite early and transplanting to small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes, or wrapped in tissue paper, and carefully packed in flat boxes, where a large proportion of them will ripen from time to time—frequently until Christmas.

	Pkt.	Oz.	¼lb.	Lb.
12740 Acme. Medium size; smooth and good; purplish pink.....	\$0 05	\$0 25	\$0 75	\$2 50
12750 Atlantic Prize. Extra-early; smooth, bright red, good size .....	05	25	75	2 50
12770 Beauty. Large, smooth, dark pinkish red; thick flesh; regular form.....	05	25	75	2 50
12780 Buckeye State. Very large and productive; smooth, uniform, good quality.	15	30	85	3 00
12790 Burpee's Earliest Pink. Produces clusters of smooth, solid, fleshy medium-sized Tomatoes of fine flavor. Very early.....	10	30	85	3 00
12794 CARTER'S SUNRISE. See <i>Novelties</i> .....	15	50	1 50	5 00
12800 Chalk's Early Jewel. Fine, large, solid, smooth, bright red; similar to Stone; early.....	10	30	85	3 00
12804 COMET. See <i>Novelties</i> .....	15	40	1 25	4 00



- 12810 Coreless, Livingston's. Almost round, bright red; very productive. Ripens all over at once and being almost free from green core it is an exceptionally fine slicing sort. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.
- 12830 Crimson Cushion. Extra large, handsome, bright crimson. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.
- 12840 Dwarf Champion. Quite distinct, early; fruit like the Acme. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.
- 12844 DWARF GIANT. See *Novelties*. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.
- 12850 Earliana. Extra early; bright red; smooth. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.
- 12870 Earlibell. One of the earliest and most prolific red sorts; vigorous grower. Pkt. 10 cts., oz. 35c., ¼lb. \$1, lb. \$3.50.
- 12880 Enormous. Extra large; very solid; bright red. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.
- 12900 Favorite. Large, smooth; productive and a good shipper. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.
- 12910 Fordhook First. Smooth, solid; deep pink; medium size; early. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., \$2.50.

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**Tomato, continued**

	Pkt.	Oz.	¼lb.	Lb.
12920 <b>Frogmore Selected.</b> Medium size; bright deep red, smooth; very solid and fine flavored. An excellent sort for forcing under glass.....	\$0 10	\$0 40	\$1 25	\$4 00
12930 <b>Freedom.</b> Early, regular and uniform; bright scarlet.....	05	25	75	2 50
12940 <b>Globe, Livingston's.</b> Glossy, rose-color, tinged with purple; very early smooth and of large size; very productive and a good keeper.....	10	35	1 00	3 50
12950 <b>Golden Queen.</b> Smooth, golden yellow; about size and form of Beauty...	05	25	75	2 50
12960 <b>Ignotum.</b> Early for so large a sort; deep red, smooth; very prolific.....	05	25	75	2 50
12970 <b>Imperial.</b> Early, large, smooth, solid; fine quality; color of Beauty.....	05	25	75	2 50
12980 <b>June Pink.</b> A very early market sort; smooth and of a bright pink color; medium size.....	10	40	1 25	4 00
12990 <b>Lemon Queen, Thorburn's.</b> Skin and flesh lemon with a faint rose blush	05	25	75	2 50
13000 <b>Lorillard.</b> Bright glossy red, smooth; of fine flavor and very early.....	10	30	85	3 00
13010 <b>Magnitude.</b> Deep red; solid flesh and fine flavor; very large and very prolific.....	10	35	1 00	3 50
13020 <b>Magnus.</b> Purplish pink, firm flesh; large, uniform; early; productive.....	05	25	75	2 50
13024 <b>Mansfield.</b> Crimson fruit somewhat larger but on the same order as Mikado. It is a rank grower, with long trailing vines and with open foliage. It seems to be better adapted to training up high trellises than any other sort.....	10	30	85	3 00
13030 <b>Matchless.</b> Extra large, smooth and handsome; bright red; very solid....	10	30	85	3 00
13040 <b>Mikado.</b> Purplish red; large, smooth and solid.....	10	35	1 00	3 50
13060 <b>Paragon.</b> Bright red; round; very productive.....	05	25	75	2 50
13070 <b>Perfection.</b> Early, regular and productive; reddish scarlet.....	05	25	75	2 50
13080 <b>Ponderosa.</b> The largest variety in cultivation.....	10	40	1 25	4 00
13090 <b>Quarter-century.</b> Solid; bright scarlet; early; good size; dwarf habit....	05	25	75	2 50
13100 <b>Royal Red.</b> Intense bright red color; good main-crop variety.....	05	20	65	2 25
13110 <b>Ruby Early.</b> Very early; large size; color bright scarlet.....	05	25	75	2 50
13116 <b>Station Upright.</b> Best tree sort; very compact grower.....	10	40	1 25	4 00
13120 <b>Stirling Castle.</b> Small size; very solid, finest flavor, enormously productive; for forcing under glass.....	10	40	1 25	4 00
13130 <b>Stone.</b> Very large; perfectly smooth; fine bright scarlet.....	05	25	75	2 50
13140 <b>Stone, Dwarf.</b> In growth resembling Dwarf Champion, but with much larger fruit. Color bright scarlet, perfect shape; very solid and of the best quality.....	10	35	1 00	3 50
13146 <b>Sutton's Winter Beauty.</b> Very smooth, uniform grower; immense yielder	10	40	1 25	4 00
13170 <b>Table Queen.</b> Large, smooth, round, solid.....	10	30	85	3 00
13180 <b>Terra-cotta, Thorburn's.</b> Distinct in color and flesh; pure <i>terra-cotta</i> ....	10	30	85	3 00
13190 <b>Thorburn's Earliest.</b> Smooth, uniform grower; immense yielder.....	10	40	1 25	4 00
13194 <b>Thorburn's Long-keeper.</b> Bright red; early and productive; fine keeper.	05	25	75	2 50
13200 <b>Trophy.</b> Very solid; standard late; fine canner; dark scarlet.....	05	20	65	2 25
13210 <b>Trucker's Favorite.</b> Large, smooth and very regular in form. Purplish red; solid.....	05	25	75	2 50

**SMALL-FRUITED VARIETIES**

For pickling and preserving. Also invaluable for garnishing.

13300 <b>Red Cherry.</b> Small fruits, used for pickles; very handsome.....	10	30	85	3 00
13320 <b>Red Peach.</b> Resembling a peach; for preserves, pickles and exhibition....	10	30	85	3 00
13330 <b>Red Pear.</b> Fruit handsome and solid; fine for preserves.....	10	30	85	3 00
13340 <b>Red Plum.</b> Bright red, round, regular; for pickles.....	05	25	75	2 50
13350 <b>Strawberry</b> (Winter Cherry, or Husk Tomato). Makes fine sauce.....	05	25	75	2 50
13360 <b>Yellow Cherry.</b> For pickles and preserves.....	05	25	75	2 50
13370 <b>Yellow Peach.</b> Beautiful clear yellow; perfectly resembles a peach.....	05	25	75	2 50
13380 <b>Yellow Pear.</b> Handsome, yellow, pear-shaped fruits.....	10	30	85	3 00
13390 <b>Yellow Plum.</b> Round and regular; bright yellow; used for pickles.....	10	30	85	3 00

**SKIRRET**

CHERVIS Zuckermurzel

CULTURE.—Sow in drills ½ inch deep, a foot apart; thin out to 8 inches in the row; keep down the weeds. Take up the roots before winter, and store in sand or earth. It is a plump, fleshy root, containing a quantity of sugar and is eaten like scorzonera or salsify.

13440 <b>Skirret</b> .....	Pkt.	Oz.	¼lb.	Lb.
	\$0 10	\$0 30	\$0 85	\$3 00

**WITLOOF.** See *Chicory*, page 21.

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# TURNIP

NAVET *Nabo* Rübe

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Nos. 13850 to 13900 should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

## WHITE VARIETIES

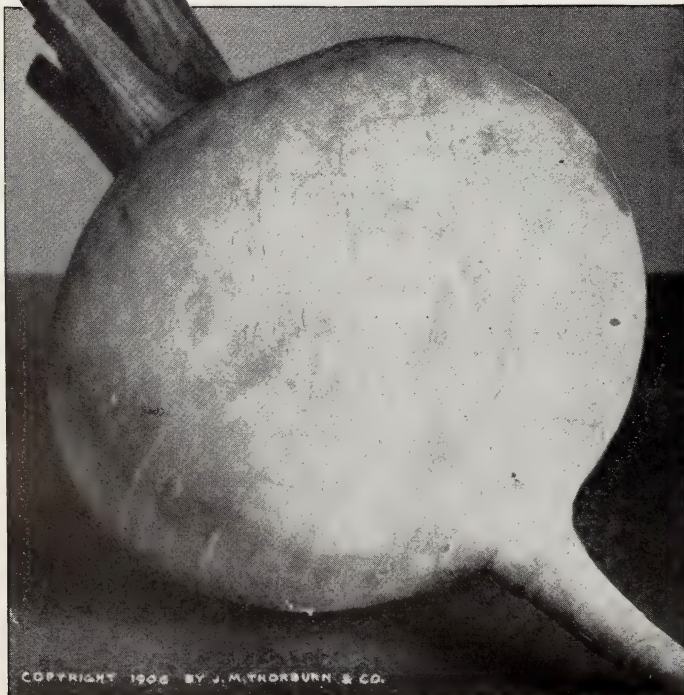
	Pkt.	Oz.	¼lb.	Lb.
13500 Cow Horn. Long white, in shape resembling a cow's horn.....	\$0 05	\$0 10	\$0 30	\$1 00
13510 Early Snowball. Small, and of rapid growth; pure white.....	05	10	20	60
13520 German Teltow. Smallest of all; early; distinct flavor, best for pickling..	05	10	25	80
13530 Globe-shaped Red Top. A standard sort in the New York market.....	05	10	20	60
13540 Globe, Pomeranian White. Good either for table or stock.....	05	10	20	60
13560 Half-long White. For frames or outdoors; tender when young; fine..	05	10	30	1 00
13570 Jersey Lily (White Model). Snow-white; globular.....	05	10	25	75
13580 Kashmyr Scarlet. Small, flat; extra early; pure white flesh of finest quality	05	10	25	75
13590 Milan, Early Purple Crown. Earliest of all; white, with purple top....	05	20	60	2 00
13600 Milan, Early Pure White. Very handsome; pure white; as early as above	05	20	60	2 00
13610 MONTESSON WHITE WINTER. Valuable new sort. <i>See Novelties</i> ....	10	25	75	2 50
13620 Norfolk White. Globular; late; solid.....	05	10	20	60
13630 Stone, Thorburn Grey. Solid and sweet; good keeper.....	05	10	25	75
13640 Strap-leaf, White. A good early, white, flat sort .....	05	10	20	60
13650 Strap-leaf Red-top. The popular fall flat sort.....	05	10	20	60
13660 Tankard, Red. A good keeper; long shape.....	05	10	25	75
13690 White French, or Rock. Very productive and a fine keeper.....	05	10	20	60
13710 White Tankard. Fine keeper; long shape.....	05	10	25	75

## YELLOW VARIETIES

13750 Aberdeen Yellow. Hardy, productive and a good keeper.....	05	10	20	60
13760 Finland, Yellow. Early, and of fine flavor; small, flat; distinct .....	05	10	25	75
13770 Globe, Yellow. Fine, sweet, light yellow sort.....	05	10	25	75
13780 Golden Ball. Very handsome; keeps fairly well .....	05	10	25	75
13790 Montmagny. Yellow; flat; purple top.....	05	10	20	60
13800 Stone, Thorburn Yellow. Fine, hard winter sort....	05	10	20	60
13840 Tankard, Yellow. Long-shaped; good keeper; fine quality .....	05	10	20	60

## RUTABAGA

- 13850 Thorburn Family. A fine strain for family use; finest quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.
- 13860 Thorburn Purple-top Improved (L. I. Strain). Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.
- 13864 Bangholm Swede. Of large size; spherical roots of regular form. Pkt. 5c., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.
- 13870 Champion Purple-top. Very large. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.
- 13890 Laing's. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.
- 13900 THORBURN'S BEST OF ALL. Fine; round; purple; best of all, as the name implies. Splendid for table and for market. Quality unsurpassed. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.



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# Seeds of Pot, Sweet and Medicinal Herbs

		Per pkt.	Oz.	Lb.
14000	<b>Agrimony.</b> For medicinal purposes.....	<i>Agrimonia officinalis</i> ..\$0 15	\$1 00	
14010	<b>Angelica,</b> Garden. For flavoring wine and cakes.....	<i>Archangelica officinalis</i> ..	05 25	\$2 50
14020	<b>Anise.</b> Seeds aromatic and carminative.....	<i>Pimpinella anisum</i> .....	05 10	75
14030	<b>Arnica.</b> Tincture of Arnica is made from it.....	<i>Arnica montana</i> .....	15 2	00
14040	<b>Balm.</b> For culinary purposes.....	<i>Melissa officinalis</i> .....	05 25	2 50
14050	<b>Basil,</b> Sweet. Culinary herb used for flavoring soups, etc.	<i>Ocimum basilicum</i> .....	05 15	1 50
14060	" Dwarf or Bush. Culinary herb.....	<i>Ocimum minimum</i> .....	05 15	1 50
14070	<b>Belladonna.</b> Is used for medicine.....	<i>Atropa Belladonna</i> .....	10 45	4 50
14080	<b>Bene.</b> The leaves used for dysentery.....	<i>Sesamum orientale</i> .....	05 10	75
240	<b>Borage.</b> Leaves used as a salad.....	<i>Borago officinalis</i> .....	05 10	90
14100	<b>Caraway.</b> For sowing. Is used in flavoring liquors and bread.....	<i>Carum Carui</i> .....	05 10	60
14110	<b>Catnip.</b> Has medicinal qualities.....	<i>Nepeta cataria</i> .....	10 35	3 50
14120	<b>Chamomile</b> .....	<i>Matricaria Chamomilla</i> ..	15 2	00
14130	<b>Coriander.</b> Seeds aromatic. For sowing.....	<i>Coriandrum sativum</i> .....	05 10	40
14134	" " " For flavoring.....	<i>Coriandrum sativum</i> .....	05 10	30
14140	<b>Cumin</b> .....	<i>Cuminum Cuminum</i> .....	05 10	60
14150	<b>Dill.</b> For sowing. Seeds used for flavoring vinegar.....	<i>Anethum graveolens</i> .....	05 10	80
14160	<b>Elecampane.</b> Has tonic and expectorant qualities.....	<i>Inula Helenium</i> .....	05 15	1 25
14170	<b>Fennel,</b> Sweet. Seeds aromatic; for flavoring.....	<i>Anethum Feniculum</i> .....	05 10	50
14180	" Florence. In flavor resembling celery.....	<i>Anethum Feniculum</i> .....	05 10	75
14190	<b>Foxglove,</b> Purple. Has medicinal qualities.....	<i>Digitalis purpurea</i> .....	05 15	1 25
14200	<b>Fumitory.</b> A medicinal herb.....	<i>Fumaria officinalis</i> .....	10 1	50
14210	<b>Hemlock.</b> Has medicinal qualities; poisonous.....	<i>Conium maculatum</i> .....	10 80	
14220	<b>Henbane.</b> Has medicinal qualities; poisonous.....	<i>Hyoscyanus niger</i> .....	05 15	1 50
14230	<b>Horehound.</b> Has medicinal qualities.....	<i>Marrubium vulgare</i> .....	05 20	2 00
14240	<b>Hyssop.</b> Has medicinal qualities.....	<i>Hyssopus officinalis</i> .....	05 15	1 50
14250	<b>Lavender.</b> True. For oil and distilled water.....	<i>Lavandula vera</i> .....	10 60	6 00
14260	<b>Lavender.</b> Possessing qualities as above in a lesser degree.....	<i>Lavandula spica</i> .....	05 20	2 00
14270	<b>Marshmallow.</b> Has medicinal qualities.....	<i>Althaea officinalis</i> .....	10 30	3 00
14280	<b>Marigold,</b> Pot. Single. For medicinal purposes.....	<i>Calendula officinalis</i> .....	05 15	1 25
14290	<b>Marjoram,</b> Sweet. Is used in seasoning.....	<i>Origanum Marjorana</i> .....	05 15	1 50
14294	" Pot. Is used in seasoning.....	<i>Origanum Onites</i> .....	10 80	
14300	<b>Mint.</b> Curled Mint..... Pkt. of 200 seeds, 25 cts.	<i>Mentha crispa</i> .....		
14310	" Peppermint..... Pkt. of 200 seeds, 25 cts.	<i>Mentha piperita</i> .....		
14320	<b>Pennyroyal.</b> Has medicinal qualities.....	<i>Hedeoma pulegeoides</i> .....	10 80	8 00
14330	<b>Rosemary.</b> Yields an aromatic oil and water.....	<i>Rosmarinus officinalis</i> .....	10 30	3 00
14340	<b>Rue.</b> Said to have medicinal qualities.....	<i>Ruta graveolens</i> .....	10 30	3 00
14350	<b>Saffron.</b> Is used in medicine, and also in dyeing.....	<i>Carthamus tinctorius</i> .....	05 10	75
14360	<b>Sage,</b> Broad-leaf. A culinary herb; also used in medicine.....	<i>Salvia officinalis</i> .....	05 15	1 25
14370	" Red. Is used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i> .....	05 10	75
14380	" Purple. Is used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i> .....	05 10	75
14390	<b>Savory,</b> Summer. Is used as a culinary herb.....	<i>Satureja Hortensis</i> .....	10 30	3 00
14400	" Winter. Is used as a culinary herb.....	<i>Satureja montana</i> .....	10 30	3 00
14410	<b>Tansy.</b> Generally used in bitters.....	<i>Tanacetum vulgare</i> .....	10 35	3 50
14420	<b>Tarragon.</b> True. Does not produce seed. Roots in fall and spring.....	<i>Artemisia Dracunculus</i> ..	35 cts. each, \$3.50 doz.	
14430	<b>Thyme,</b> Broad-leaved English. Is used as a seasoning.....	<i>Thymus vulgaris</i> .....	10 45	4 50
14440	" French.....	<i>Thymus vulgaris</i> .....	10 45	4 50
14450	<b>Woodruff</b> (Waldmeister, or Maitrank).....	<i>Asperula odorata</i> .....	10 60	
14460	<b>Wormwood.</b> Has medicinal qualities.....	<i>Artemisia Absinthium</i> ..	05 25	2 50



PEPPERMINT



LAVENDER



FENNEL



SAGE



SUMMER SAVORY

We pay postage or express charges on all seeds bought by the packet, ounce or quarter pound.

## TOBACCO SEED

All 10 cts. per pkt. Not less than 10 cts.' worth sold

	Per oz.	Lb.
14610 <b>Climax.</b> A cross between Burley and Sterling; fine bright variety.....	\$0 30	\$3 00
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14626 <b>Gold Finder.</b> A cross between Yellow Oronoka and White Burley.....	30	3 00
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Canary Seed. Best grade.....	\$0 10	\$8 00	<b>Millet, White French.</b> .....	\$0 12	\$8 50
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			<b>Teasels</b> .....	35	

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<b>Cinnamon Vine Roots</b> ( <i>Dioscorea Batatas</i> , Chinese Yam).....	\$0 50	each, 6 cts...	3 00
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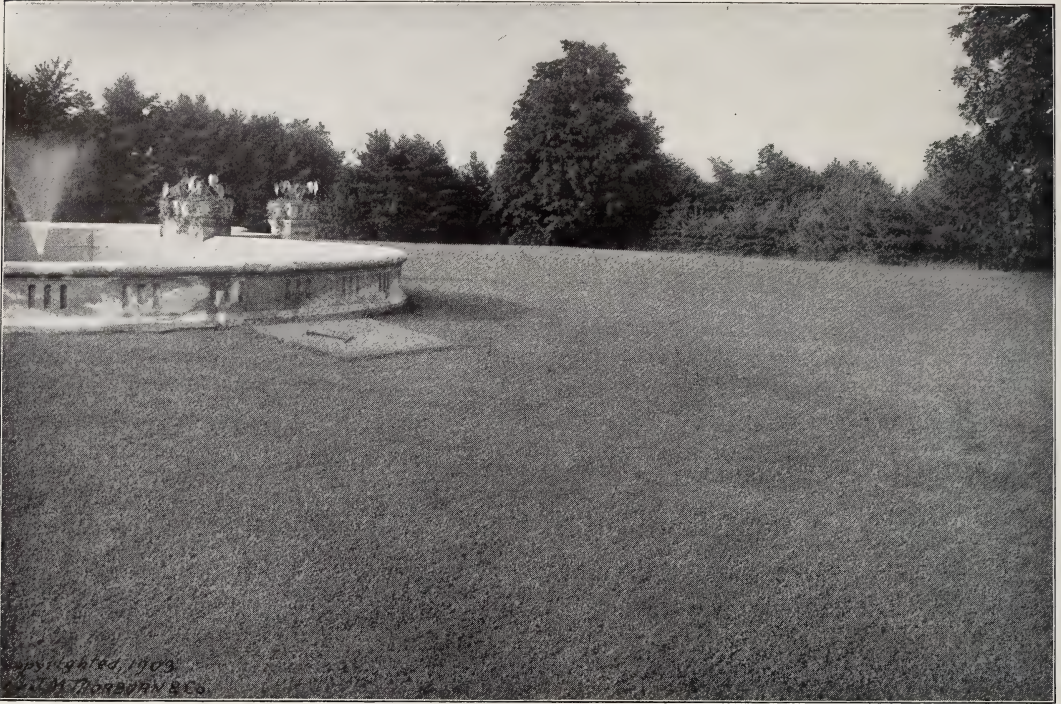
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## About Lawns and Lawn Grass Seed

### FORMATION OF LAWNS FROM SEED

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. *After sowing, the ground should be rolled and cross rolled in order to press the seed firmly into the soil,* and ten days or so thereafter a light application of Thorburn Lawn Fertilizer mixed with an equal quantity of good loam or sand will serve to stimulate the growth of the young grasses. The best time to apply this is just before a rain, the idea being to have the fertilizer washed into the roots. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time, but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly made lawns, it may not be generally known, but many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as Crab grass or Summer grass, must be pulled up by the roots before they ripen their seed in fall. This is the only sure way to rid lawns of these pests.

**Rolling.**—As soon as the frost is out of the ground in the spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

**Mowing.**—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot summer months, when the roots require some top-growth to protect them from the burning sun. A good top-growth is also necessary to protect the roots from severe winter frosts.

**To Grass a Bank or Terrace.**—For each square rod, take a pound of Terrace Lawn Grass Seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Agrostis stolonifera*, *Cynosurus cristatus* and *Poa pratensis*.

---

*N. B.*—We shall be pleased to make special mixtures for particular purposes or to suit exceptional conditions of soil, situation or climate. We invite consultation about any difficulties experienced in getting the right turf for any purpose or in any place.

## Lawn Grass Seed Mixtures

### The Thorburn Lawn Grass

Practically all the finest lawns in America were produced from this mixture. It is composed exclusively of permanent grasses that make a finer and thicker turf the older they become, and yet give a rich green sward in three or four weeks from the time of sowing. The ordinary Central Park Lawn Grass Seed as usually sold is not to be compared with this superior mixture. It should be sown at the rate of 4 to 5 bushels to the acre (15 pounds to the bushel). Per qt., 25 cts.; 2 qts., 45 cts.;  $\frac{1}{2}$ pk. 75 cts.; pk., \$1.20; bus., \$4.

### Thorburn's Lawn Grass for the South

A mixture of grasses that stand extremes of heat and drought well and that are therefore peculiarly adapted for southern lawns. Per qt., 35 cts.; 2 qts., 60 cts.;  $\frac{1}{2}$ pk., \$1; pk., \$1.75; bus. of 20 pounds, \$6.50.

### Thorburn's Special Lawn Grass Mixture

This extra-choice mixture contains a large proportion of the finer and more expensive species, such as Rhode Island Bent, Crested Dog's-tail, Creeping Bent, in extra-heavy samples, bringing the weight up to 20 pounds per bushel, and producing a turf of the closest and finest texture possible. Per qt., 30 cts.; 2 qts., 55 cts.;  $\frac{1}{2}$ pk., 90 cts.; pk., \$1.60; bushel of 20 pounds, \$5.50.

### Thorburn's Grass Mixture for Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations, under trees, or close to walls where there is little sun. Per qt., 40 cts.; 2 qts., 70 cts.;  $\frac{1}{2}$ pk., \$1.25; pk., \$2; bus. of 22 pounds, \$7.

### Thorburn's Lawn-restoring Grass Seed

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out, or burned spots. The best time to re-sow them is very early in spring, but seed may also be sown in the fall from first of September to first of October. Some Lawn-restoring Grass Seed should also be sown before every summer rain on thin places. Per qt., 35 cts.; 2 qts., 60 cts.;  $\frac{1}{2}$ pk., \$1; pk., \$1.75; bushel of 20 pounds, \$6.

### Thorburn's Lawn Grass Mixture for the Seashore

A mixture of fine grasses peculiarly suited to sea-side lawns. Per qt., 30 cts.; 2 qts., 50 cts.;  $\frac{1}{2}$ pk., 85 cts.; pk. \$1.50; bushel of 18 pounds, \$5.

### Terrace Lawn Grass Seed

A mixture of fine stoloniferous grasses peculiarly adapted to terraces. Qt. 35 cts., 2 qts. 60 cts.,  $\frac{1}{2}$ pk. \$1, pk. \$1.75, bus. of 20 lbs. \$6.

## Also Permanent Grass Seed for Golf-Links, Tennis-Courts, Polo-Grounds, Etc.

We have devoted much attention to the seeding and preservation of golf-links, tennis-courts, and polo-grounds, and offer the following mixtures, *which have been used on most of the finest links, etc., in the country*, with very satisfactory results.

### Polo-Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. Per bushel of 20 pounds, \$4.

### Tennis-Court Mixture

A mixture of extra-fine grasses peculiarly adapted to tennis-courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with tramping. Per qt., 35 cts.; 2 qts., 60 cts.;  $\frac{1}{2}$ pk. \$1; pk., \$1.75; bushel of 20 pounds, \$6.

### Fair-Green Mixture

For the grounds in general. Per bushel of 20 pounds, \$4.

### Putting-Green Mixture

Far superior to any other similar mixture offered

Our own special formula as furnished all the leading golf clubs in America. A mixture of extra-fine *highest-grade* grasses, that will make a close, firm, green and lasting turf, which will improve with tramping. Per qt., 40 cts.; 2 qts., 70 cts.;  $\frac{1}{2}$ pk., \$1.25; pk., \$2; bushel of 24 pounds, \$7.

## Grass Mixture for Railroad Banks, Etc.

A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering with permanently green turf. Per qt., 30 cts.; 2 qts., 50 cts.;  $\frac{1}{2}$ pk., 80 cts.; pk., \$1.25; bushel of 18 pounds, \$4.50.

**TUCKER'S MAGNET WORM ERADICATOR.** Will bring up worms immediately. Used with absolute success by most of the leading golf and tennis clubs in the United States and Canada. Two gals. (making 200 gals. diluted) sufficient for 60 x 60 ft. green. In 1-gal. kegs, making 100 gals., \$2 per gal.; 5-gal. kegs, making 500 gals., \$1.85 per gal.; 10-gal. kegs, making 1,000 gals., \$1.75 per gal. *Net cash.*

**TUCKER'S MAGNET ANT DESTROYER.** In 5-lb. boxes only, at 50 cts. per lb.

**STERLINGWORTH LAWN COMPOUND.** A dry powder to be sprinkled over lawn and weeds when dry. It adheres to the broad, rough surfaces of plantains and dandelions and all other weeds having broad, hairy leaves, quickly destroying them. Water thoroughly twenty-four hours after application; this dissolves the chemical forming the killer which when so dissolved becomes a strong and quick fertilizer, giving the grass a beautiful rich green color. Two applications will generally clean out the weeds on the most heavily infested lawn, whilst one will often do it if carefully applied. One pound will dress 100 to 200 square feet according to condition of lawn. Five-lb. cans 60 cts., 10-lb. cans \$1, 50-lb. kegs \$4, 100-lb. kegs \$7.50. *Net cash.*

## Grass Mixtures for Meadows and Pastures

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass seed may be sown either early in spring or in fall from first of September to middle of October in this latitude.

For about a hundred years our house has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the following formulæ for seeding grass-lands have received universal recognition. *The quantities given are the minimum, and may often be increased to advantage.*

### MEADOW MIXTURES FOR ONE ACRE

No. 1. On Good Land, neither Too Dry nor Too Wet	No. 2. On High and Dry Land	No. 3. On Wet Late Land
10 lbs. Red Top.	10 lbs. Red Top.	9 lbs. Red Top.
½ " Perennial Sweet Vernal.	4 " Tall Meadow Oat Grass.	2½ " Creeping Bent Grass.
2 " Tall Meadow Oat Grass.	2 " Meadow Brome Grass.	6 " Orchard Grass.
3 " Orchard Grass.	2½ " Crested Dog's-tail.	2 " Tall Meadow Oat Grass.
2 " Hard Fescue.	4 " Orchard Grass.	3 " Meadow Fescue.
4 " Sheep's Fescue.	2 " Hard Fescue.	1 " Tall Fescue.
10 " Perennial Rye Grass.	6 " Sheep's Fescue.	1 " Meadow Soft Grass
6 " Timothy.	1 " Meadow Soft Grass.	10 " Perennial Rye Grass.
2 " Red Clover	5 " Timothy.	4 " Timothy.
½ " Alsike Clover.	1 " Rough-stalked Meadow.	1 " Red Clover.
	2 " Red Clover.	½ " Alsike Clover.
	½ " White Clover.	
40 lbs. \$4 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>	40 lbs. \$4.50 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>	40 lbs. \$4 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>

### PASTURE MIXTURES FOR ONE ACRE

No. 4. On Good Land, neither Too Dry nor Too Wet	No. 5. On Dry Land	No. 6. On Wet Land
2 lbs. Tall Meadow Oat Grass.	3 lbs. Red Top.	8 lbs. Red Top.
8 " Red Top.	3 " Creeping Bent Grass.	7 " Orchard Grass.
6 " Orchard Grass.	4½ " Tall Meadow Oat Grass.	2 " Meadow Fescue.
4 " Sheep's Fescue.	1 " Meadow Brome Grass.	1 " Tall Fescue.
2 " Hard Fescue.	5 " Orchard Grass.	3 " Meadow Soft Grass.
1 " Meadow Soft Grass.	2 " Hard Fescue.	10 " Perennial Rye Grass.
9 " Perennial Rye Grass.	7 " Sheep's Fescue.	1 " Meadow Foxtail.
1 " Meadow Foxtail.	2 " Timothy.	2 " Timothy.
2 " Kentucky Blue Grass.	10 " Perennial Rye Grass.	1 " Rough-stalk Meadow Grass.
2 " Timothy.	1½ " Red Clover.	3 " Kentucky Blue Grass.
2 " Red Clover.	1 " White Clover.	1 " Alsike Clover.
1 " White Clover.		1 " White Clover.
40 lbs. \$4.50 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>	40 lbs. \$5 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>	40 lbs. \$4.50 per bushel of 20 lbs. <i>Sow 2 bushels to the acre</i>


*The various grasses used in the above mixtures are fully described on the following pages.*

We are always glad to make up Special Mixtures, and are pleased to answer inquiries as to the best grasses for different purposes and for sowing on various soils under varying climatic conditions.

# Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the **VERY HIGHEST GRADE**.

**25 lbs. and up of any one sort at the 100-lb. rate. Not less than one pound of any one sort sold**

 The prices are subject to change as the season advances. The weight per bushel is average actual weight



AGROSTIS VULGARIS

**AGROSTIS CANINA** (*Rhode Island Bent Grass*). Resembles Red Top (*A. vulgaris*, described below), but is of dwarfer habit, with shorter and narrower leaves. It makes a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. It is a native of Europe, but has been cultivated in our eastern states for many years. 60 lbs. of seed to the acre is recommended for lawns. Height, 1 to 2 feet. (16 lbs. to the bushel.) Per lb. 37 cts.; 10 lbs. \$3.50; 100 lbs. \$33.

**AGROSTIS STOLONIFERA** (*Creeping Bent*, or *Fiorin*). The distinctive feature of this species is, as the name implies, its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. If sown alone, 60 lbs. to the acre should be used. (18 lbs. to the bushel.) Per lb. 37 cts.; 10 lbs. \$3.50; 100 lbs. \$33.

**AGROSTIS VULGARIS** (*Red Top*; *Herd's Grass*). A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have,

*Agrostis vulgaris*, continued

and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. The seed, as usually sold, weighs 18 to 20 lbs. to the bushel, in the chaff, and 4 bushels of it is required to sow an acre. Per lb., 19 cts.; 10 lbs., \$1.75; 100 lbs., \$16.

(The absolutely clean or "fancy" seed offered weighs about 36 lbs. to the measured bushel, 35 lbs. of it is sufficient to sow an acre.)

**Fancy Heavy Red-top Grass.** Absolutely clean and free from chaff. About 35 lbs. to the acre. (36 lbs. to the-bushel.) Per lb., 28 cts.; 10 lbs., \$2.65; 100 lbs., \$25.

**AIRA CÆSPITOSA** (*Hassock Grass*). A coarse grass, preferring stiff and marshy bottoms and thriving in moist and shady woodlands. In England door-mats are formed of it by the cottagers. 30 lbs. to the acre. (18 lbs. to the bushel.) Per lb., 23 cts.; 10 lbs., \$2; 100 lbs., \$18.

**AIRA FLEXUOSA** (*Wood Hair Grass*). Delights in high and rocky hills; it is of little agricultural value except for sheep pasture. 30 lbs. to the acre. Per lb., 20 cts.; 10 lbs., \$1.75; 100 lbs., \$15.

**ALOPECURUS PRATENSIS** (*Meadow Foxtail*). One of the best permanent pasture grasses for rich, moist soil. Its chief characteristics are its earliness and its faculty of standing high summer heats without burning. It prefers moist, low grounds, but it accepts drier situations, and makes an earlier spring verdure than any other variety. Sow only in connection with other grasses, 3 to 4 lbs. to the acre; if sown alone, 25 lbs. to the acre. Height, 2 to 3 feet. Per lb., 43 cts.; 10 lbs., \$4; 100 lbs., \$35.



AGROSTIS STOLONIFERA

**AMMOPHILA ARUNDINACEA** (*Beach Grass*).

Valuable on the sandy seashore, canal and railway banks, etc. Its strong, creeping, matting roots bind the drifting sand into natural embankments against the action of winds and waves. This grass is usually propagated by transplanting in the fall. Where it is necessary to use seed, it should be sown in spring, and ground covered with brush to hold the seed in place until it has taken firm hold. Height, 2 to 3 feet. Per lb., 70 cts.; 10 lbs., \$6.50; 100 lbs., \$60.

**ANTHOXANTHUM ODORATUM** (*True Perennial Sweet Vernal Grass*). For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. For meadows, its chief merit is the fragrant odor which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment, rather than a grass of much nutritive value. From 2 to 3 lbs. to the acre, when mixed with other grasses. Per lb., 75 cts.; 10 lbs., \$7.



CYNOSURUS CRISTATUS

**ANTHOXANTHUM ODORATUM PUELLI**

(*Annual Sweet Vernal Grass*). Much smaller than the perennial, and of much less value, lasting one year only. 20 to 25 lbs. to the acre. Per lb., 28 cts.; 10 lbs. \$2.65; 100 lbs., \$25.

**AVENA ELATIOR** (*Tall Meadow Oat Grass*).

Most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. For hay, it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. It is very valuable for our southern states, where it is extensively cultivated for winter grazing and for hay. Height, 2 to 4 feet. 50 lbs. to the acre. Per lb., 35 cts.; 10 lbs., \$3; 100 lbs., \$28.

**AVENA FLAVESCENS** (*True Golden Oat Grass*).

Will not thrive well when sown alone, but with other species it becomes desirable for dry meadows and pastures. About 25 lbs. to the acre. Per lb., \$1.

**BEACH GRASS.** See *Ammophila arundinacea*.

**BERMUDA GRASS** (*Cynodon dactylon*). A most-valuable grass for our southern states, both for pasture and lawns. It is of dwarf habit, with long, creeping stems rooting at the joints and covering the ground with a matting of fine turf, which no amount of trampling will impair. It is

**Bermuda Grass, continued**

also useful for binding drifting sand and for steep embankments subject to wash. When established it is difficult to eradicate, and is therefore unsuitable for temporary pastures. It requires heat and moisture to start it. As it cannot endure frost, it is of no value north of Virginia. It thrives in the poorest and sandiest soil, and resists extreme drought and intense tropical heat. It should be sown at the rate of 15 lbs. to the acre. Crop doubtful. About \$1.50 per lb.

**BLUE GRASS, Canada.** See *Poa compressa*.

“ “ **English.** See *Festuca pratensis*.

“ “ **Kentucky.** See *Poa pratensis*.

**BROMUS INERMIS** (*Awnless, or Smooth Brome Grass*). An erect perennial, 3 to 5 feet high, native of Hungary, where it is considered one of the best hay grasses, yielding a good return in the arid and silicious soil. The nutritive quality of its hay, however, is generally inferior to that of our standard native sorts, so that we should recommend it only for dry, arid soils where the better and more delicate grasses would not grow. It is strongly stoloniferous, its creeping rootstocks spreading rapidly under ground and giving out new plants. It is on this account undesirable for temporary meadows, being difficult to eradicate when once established. Sow 35 to 40 lbs. to the acre. Per lb., 22 cts.; 10 lbs., \$2; 100 lbs. \$18.

**BROMUS MOLLIS** (*Soft Chess*). This annual grass is so called because its stems and leaves are downy and soft to the touch. In good soil it rapidly produces an abundant forage, but of poor quality and little relished by cattle. It can be recommended only for poor, sandy soil, where grasses of better quality will not grow. 30 lbs. to the acre. Per lb., 22 cts.; 10 lbs., \$1.80; 100 lbs., \$16.

**BROMUS PRATENSIS** (*Meadow Brome Grass*).

A hardy perennial, 2 to 3½ feet high, much used in mixtures for meadows, both for mowing and pasture. It is not recommended to be sown alone except in poor soil, on dry, stony hillsides, where better grasses will not grow. It withstands extreme cold and drought, and, if cut before flowering, it makes a good hay. If left to grow older, it becomes very tough. 30 lbs. to the acre. Per lb., 24 cts.; 10 lbs., \$2.20; 100 lbs., \$19.

**BROMUS SCHRADERI** (*Rescue Grass*).

In good, rich soil, several crops have been cut in a season. It cures into hay of fair nutritive quality, but for pasture, or for cutting and feeding green, it is more suitable. It is most valuable for the South and for the tropics. Height, 1 to 2 feet. 30 lbs. to the acre. Per lb., 25 cts.; 10 lbs., \$2; 100 lbs. \$18.

**CALAMAGROSTIS ARENARIA.** See *Ammophila arundinacea*.

**CYNOSURUS CRISTATUS** (*Crested Dog's Tail*).

A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting-greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. If sown alone, 30 pounds to the acre is none too much, but it is recommended only in mixture with other sorts. Height 1 to 2 feet. Per lb., 35 cts.; 10 lbs., \$3.25; 100 lbs., \$30.

**DACTYLIS GLOMERATA** (*Orchard Grass; Cocksfoot*). One of the grasses most employed in permanent meadows, either for pasture or for mowing.



DACTYLIS  
GLOMERATA

It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the spring. But it is quite unsuitable for lawns. Height 3 feet. (14 lbs. to bushel.) Sow 3 or 4 bushels to the acre. Per lb., 28 cts.; 10 lbs., \$2.65; 100 lbs., \$25.

**DOG'S TAIL.** See *Cynosurus cristatus*.

**ELYMUS ARENARIUS** (*Lime Grass*). Valuable on the sandy seashore, canal and railroad banks, etc. It tends, with its

tough, wide-spreading and thickly matting roots, to form natural and permanent embankments, thus serving to prevent the drifting of the sand and to protect an exposed shore from wind and waves. It is of no agricultural value. Per lb., 60 cts.; 10 lbs., \$5.65; 100 lbs., \$52.

**FESTUCA DURIUSCULA** (*Hard Fescue*). This is a variety of *F. ovina*, dwarfer and less vigorous in growth, but possessing all the other valuable characteristics of that variety. It is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat and cold, and also long periods of drought. For permanent pastures on poor lands it is especially valuable but it may also be used in meadow mixtures for well-manured clayey lands. In the latter case it has been known to yield a good crop of excellent hay and a very large aftermath. On account of its stooling habit, it is not recommended for lawns. Height, 1 to 2 feet. 30 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$23.

**FESTUCA ELATIORE** (*Tall Fescue*). This grass is a native of Europe, but was long ago introduced in this country, and is now naturalized, and widely grown here. It succeeds best in moist, alluvial, and strong, clayey soils. It is very productive and of long duration, and is especially valuable for permanent pasture. Stock of all kinds eat it readily, and its nutritive value is said to be very great. On rich, moist lands it yields a large amount of hay of excellent quality. It is not suitable for lawns. Height, 3 to 4 feet. 40 lbs. to the acre. Per lb., 48 cts.; 10 lbs., \$4.50; 100 lbs., \$40.

**FESTUCA FLUITANS** (*Floating Fescue*). A perennial with long, creeping roots, and preferring a rich, muddy, or alluvial soil. It is found in ditches, shallow ponds, sides of rivers and lakes, and in boggy, and marshy ground. As trout and wild duck are very fond of the seeds and tender shoots, it is often introduced on the margins of ponds and rivers with the view of affording them nourishment. Per lb., 50 cts.

**FESTUCA HETEROPHYLLA** (*Various-leaved Fescue*). A very early, hardy perennial, 2 to 3 feet high, thriving best in cold, moist soils that are rich in humus and potash. In such soils it yields heavily, and is valuable in grass mixtures for permanent meadows either for mowing or grazing. Its great production of root-leaves makes it an excellent bottom grass. Its nutritive value is said to be very high. It grows very well in the shade, and is highly recommended for shaded lawns in mixture with other grasses. 40 lbs. to the acre. Per lb., 36 cts.; 10 lbs., \$3.40; 100 lbs., \$32.

**FESTUCA OVINA** (*Sheep's Fescue*). A native both of America and Europe. In our northwestern states there are many varieties of it, some of which grow 2 or 3 feet high. It prefers dry uplands and thrives in poor, shallow, gravelly soils, where other grasses would fail. It is very hardy, resisting extreme heat and cold. Though of dwarf growth, it grows thickly, yielding a large amount of nutritious herbage. In grass mixtures, for pastures on high and dry lands, it is especially valuable. Though a "bunch grass," it may be included in lawn mixtures as well as in fair-green mixtures on account of its fine foliage and dwarf, dense growth.  $\frac{1}{2}$  to  $1\frac{1}{2}$  feet. 35 lbs. to the acre. Per lb., 28 cts.; 10 lbs., \$2.60; 100 lbs., \$24.

**FESTUCA PRATENSIS** (*Meadow Fescue, or English Blue Grass*). One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on warm, dry land. It does not reach its full development till the second or third year, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by cattle, especially when it is cut young. Height, 2 feet. 40 lbs. to the acre. Per lb., 47 cts.; 10 lbs., \$4.50; 100 lbs., \$42.

**FESTUCA RUBRA** (*Red, or Creeping Fescue*). **True.** A creeping-rooted species forming a close and lasting turf, and especially adapted for dry, sandy soils. It resists extreme drought, and thrives on very inferior soils, gravelly banks and exposed hillsides. It is also valuable for shady places in lawns, as well as for golf-courses and for binding shifting sands on the seashore. (24 lbs. to bushel.) 30 lbs. to the acre. Per lb., 32 cts.; 10 lbs., \$3; 100 lbs., \$28.

**FESTUCA TENUIFOLIA** (*Slender Fescue*). This is really a variety of *Festuca ovina*, with much finer leaves. It will grow on very dry and inferior soils, and its dwarf habit of growth and fineness of leaf render it not unsuitable for dry slopes on lawns and golf-links. It stands grazing well, is very hardy, and lasts long, and may therefore be recommended for permanent pasture on high and dry situations. 30 lbs. to the acre. (22 lbs. to bushel.) Per lb., 43 cts.; 10 lbs., \$4; 100 lbs., \$36.



FESTUCA RUBRA (see page 51)

**FOXTAIL.** See *Alopecurus pratensis*.

**HOLCUS LANATUS** (*Meadow Soft Grass; Velvet Grass*). This grass is of fair agricultural value, and it will thrive on poor soil, where better sorts will not grow. It is a perennial, very hardy and grows rapidly. As a forage plant its nutritive value is small, yet it makes a hay that is eaten readily by cattle, especially when it is sprinkled with salt. Height, 1 to 2 feet. 35 lbs. to the acre. Per lb., 20 cts.; 10 lbs., \$1.75; 100 lbs., \$15.

**HUNGARIAN GRASS.** See *Panicum Germanicum*.

**JOHNSON GRASS.** Doubtful.

**LOLIUM PERENNE** (*Pacey's Perennial Rye Grass*). Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. Height, 1½ to 2 feet. 60 lbs. to the acre. (28 lbs. to bus.) Per lb., 14c.; 10 lbs., \$1.15; 100 lbs., \$9.



LOLIUM PERENNE

**LOLIUM PERENNE.** **Fancy.** A carefully selected short-seeded, dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks. Per lb. 20 cts.; 10 lbs., \$1.50; 100 lbs., \$12.

**LOLIUM ITALICUM** (*Italian Rye Grass*). Though lasting two or three years under very favorable circumstances, it is practically an annual. Like the Perennial Rye Grass, it is a remarkably rapid grower, and has, in addition, the advantage of standing extremes of temperature, remaining green throughout the winter, and retaining its freshness in the hottest summer months and during prolonged drought. When sown very thickly, or in mixture with other sorts, it makes a good, dense turf, and it has been used with much satisfaction on lawns as far south as Jacksonville. On rich, moist soils, it is exceedingly productive, and may be cut in four or five weeks after sowing, and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. Height, 1½ to 2½ feet. 50 lbs. to the acre. (22 lbs. to bushel.) Per lb., 15 cts.; 10 lbs., \$1.25; 100 lbs., \$10.

**OAT GRASS.** See *Avena elatior*.

**ORCHARD GRASS.** See *Dactylis glomerata*.

**PANICUM GERMANICUM** (*Hungarian Grass*).

One of the most valuable annual soiling plants. It grows on any ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as the middle of July for hay, or in the middle of August for green fodder. It should be cut just before blooming. Sow 1 to 1½ bushels to the acre. (50 lbs. to bus.) Price variable.

**PASPALUM DILATATUM** (*Australian Water Grass*).

A somewhat leafy perennial, growing in clumps. Valuable as a pasture grass for the South, endures summer heat and drought very well and is especially desirable for furnishing late summer and autumn feed, during which period it makes its principal growth. Sow lightly on the surface in warm weather. The seed should barely be covered with soil. Sow from 8 to 10 lbs. to the acre, with 5 lbs. Hungarian grass as a temporary protection. Per lb., 45 cts.; 10 lbs., \$4; 100 lbs., \$35.

**PHALARIS ARUNDINACEA** (*Reed Canary Grass*).

A very hardy perennial, preferring stiff, wet land, but also doing fairly well in dry, sandy soils. It grows well in ditches and by riversides, where its strong, creeping rootstocks render it valuable for binding the banks. Its seed also affords food for trout and wild fowl. When young, it may be cut for green forage for cattle, but in its more matured state, it is too coarse for this purpose. (30 lbs. to bushel.) Per lb., 90 cts.

**PHLEUM PRATENSE** (*Timothy*).

A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. Height, 2 to 3 feet. If sown alone at least 25 lbs. to the acre should be used. The seed weighs 45 lbs. to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." Market price.



**POA AQUATICA** (*Water Meadow Grass*). This is an excellent pasture grass for very wet situations. It also does well in bogs and marshes, and is useful in the same way as *Festuca fluviatans*. 20 lbs. to the acre. Per lb., 60 cts.



**PHLEUM PRATENSE**  
(See page 52)

**POA COMPRESSA** (*Canada Blue Grass*). A very hardy perennial grass, with creeping rootstalks, forming a close and durable turf of fine texture. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of winter. It is said to be especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It is distinguished from the Kentucky Blue Grass by its flattened wiry stems and by its decidedly bluer color. Height, 6 to 18 inches. 60 lbs. to the acre. Per lb., 26 cts.; 10 lbs., \$2.40; 100 lbs., \$20.

**POA NEMORALIS** (*Wood Meadow Grass*). The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the spring. The creeping roots are formed under ground, and make a good turf and should be included in all putting-green mixtures. Excellent for pasture. 30 lbs. to the acre. (19 lbs. to bushel) Per lb., 70 cts.; 10 lbs., \$6.50; 100 lbs., \$60.

**POA PRATENSIS** (*Kentucky Blue Grass; June Grass*). One of the most widely distributed and valuable native grasses. It combines more points of excellence than any other sort. It is a true perennial, lasting indefinitely and improving every year. Its densely creeping rootstalks, spreading habit and smooth, even growth, fine texture and rich green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the spring, and lasts till frost. It succeeds in almost any soil, dry, rocky, sandy or gravelly, and stands long-continued dry weather and hot suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. 50 lbs. to the acre. Per lb., 40 cts.; 10 lbs., \$3.75; 100 lbs., \$35.

**POA TRIVIALIS** (*Rough-stalked Meadow Grass*). A spreading, thickly matted, stoloniferous-rooted species, forming a fine turf, and adapted for shaded portions of lawns. It thrives on rich, moist soil and in sheltered situations, but not on dry land. Valuable for forming bottom grass in mixtures for permanent pastures. Height, 1 to 3 feet. 20 lbs. to the acre. (26 lbs. to bushel). Per lb., 50 cts.; 10 lbs., \$4.50; 100 lbs., \$40.

**RED TOP.** See *Agrostis vulgaris*

**RYE GRASS.** See *Lolium Italicum* and *Lolium perenne*.

**RHODE ISLAND BENT GRASS.** See *Agrostis canina*.

**TIMOTHY.** See *Phleum pratense*.

**KENTUCKY BLUE GRASS.** See *Poa pratensis*.

**FOR CLOVERS, SEE NEXT PAGE**

For Special Meadow and Pasture Mixtures see page 48, and for Forage, Economical and Miscellaneous Seeds and Field Corns and Cereals, see pages 55 to 58. Fertilizers are quoted on page 132.

The revised edition of our pamphlet on the seeding and preservation of Golf-links is now ready and will be mailed free to any one desiring a copy.

**Books Invaluable to the Farmer, Dairyman, Stockman, etc.**

Kindly order by number. All sent by mail postpaid.

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For other practical and useful publications see extensive list on page 45.



## Clovers

We quote present prices on as many of the Clovers as it is possible to offer as we go to press. We shall be very glad to quote prevailing prices on the sorts not offered at any time and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations.

### ALFALFA, or LUCERNE (*Medicago sativa*).

Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, 1 to 3 feet. Prices variable.

**TURKESTAN ALFALFA.** Imported from Turkestan. It is said to be hardier and more productive than the ordinary variety, and to withstand drought better. Price variable.

**ALSIKE, or HYBRID CLOVER (*Trifolium hybridum*).** A perennial, 1 to 3 feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Price variable.

**BERSEEM, or EGYPTIAN CLOVER (*Trifolium Alexandrinum*).** Said to be especially suited for a rotating crop for irrigated lands. It is very succulent and much relished by stock. Its value as a soil renovator is also said to be very high. Per lb., 48 cts., 10 lbs., \$4.50; 100 lbs., \$40.

**BOKHARA CLOVER (*Melilotus alba*).** A most valuable sort for soiling. It grows from 3 to 5 feet high, and if sown in rich soil may be cut three times; lasts two or more years if cut before flowering; good for ensilage and bees. 15 lbs. to the acre. Per lb., 27c.; 10 lbs., \$2.50; 100 lbs., \$22.

**BURR CLOVER (*Medicago maculata*).** An annual making good winter grazing on rich soils. Excellent for the South on Bermuda grass land, taking the place of the latter when killed by frost. Sow in August. 20 lbs. to acre. Price variable.

**CRIMSON, or SCARLET CLOVER (*Trifolium incarnatum*).** Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe, it is largely grown in our southern states for improving the soil by turning under. It will not

### Crimson, or Scarlet Clover, continued

stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Price variable.

**JAPAN CLOVER (*Lespedeza striata*).** An annual valuable only in the South where it thrives in any soil in the driest season. It makes fair hay; eaten readily by stock when green. Valuable for plowing under. Sow in spring broadcast. 30 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$22.

**KIDNEY VETCH, or SAND CLOVER (*Anthyllis vulneraria*).** A deep-rooted, herbaceous hardy perennial plant, valuable for dry sandy and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses; useful in mixture for dry soils. Sow 20 lbs. to the acre. Price variable.

### RED CLOVER, MEDIUM (*Trifolium pratense*).

One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the spring at the rate of 15 lbs. to the acre. Price variable.

**MAMMOTH RED, or PEA VINE CLOVER (*English Cow Grass*).** Grows larger and lasts longer than the common Red Clover; valuable for plowing under. 10 lbs. to the acre. Price variable.

**WHITE CLOVER (*Trifolium repens*).** Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in spring. In mixtures, 1 or 2 lbs; if alone, 8 or 10 lbs. to the acre. Price variable.

**YELLOW SUCKLING CLOVER (*Trifolium filiforme*).** Native of northern Europe. Valuable for sheep pastures; recommended in grass mixtures for wet, sandy meadows. Per lb., 50 cts.

**YELLOW TREFOIL (*Medicago lupulina*).** An annual or biennial suitable for pastures in wet meadows, or for stiff, clayey soils too poor for Red Clover. It is very useful in some sections, and is sometimes used for hay. 15 lbs. to the acre. Per lb., 27 cts.; 10 lbs., \$2.50; 100 lbs., \$22.

N. B.—All prices are subject to market fluctuations. Prices quoted are those ruling January 1, 1912

# Cereals

Customers will please add cost of bags when ordering, as follows: 1/2 bushel, 10 cents; 1 bushel, 14 cents; 2 bushels, 23 cents.

The prices of some varieties may change as the season advances. Customers pay transportation charges.

## FIELD CORN (56 lbs. to bushel)

All grown especially for seed.

### FLINT VARIETIES

	Qt.	Pk.	Bus.
Angel of Midnight. Flint; 8-rowed; good-sized	\$0 20	\$0 85	\$2 25
Compton's Early Flint. Small grain; yellow; 12-rowed; large, white cob	20	85	2 25
King Philip. Early; reddish yellow flint	20	85	2 25
North Dakota Flint. White; 8-rowed; very early	20	85	2 25
Canada Early Yellow. Very early yellow flint	20	85	2 25
Sanford, or Long White Flint. Large; 8-rowed	20	85	2 25
Longfellow (Yellow Flint). Small cob and large grain	20	85	2 25
White Australian. Early white flint	20	85	2 25

### DENT VARIETIES

Champion White Pearl. Large grain; 14 to 18 rows; ripens in 95 days	15	75	2 00
Hickory King. Large grain; small cob; white dent; late	20	85	2 25
Iowa Gold Mine. Dent; early; deep grain	15	75	2 00
Iowa Silver Mine. Large grain, dent; white cob; ripens in 100 days	15	75	2 00
Leaming Early. Large, deep grains; bright yellow	15	75	2 00
Legal Tender. Large; comparatively early	15	75	2 00
Mastodon. Early, strong-growing; large ears and grains; very productive	15	75	2 00
Pride of the North. Very large ears	15	75	2 00
White Cap Yellow Dent	15	75	2 00
Wisconsin White Dent. Very early; deep rooted; stands drought well	15	75	2 00
Wonder Early White Dent	20	85	2 25

### FODDER AND ENSILAGE VARIETIES

Red Cob Ensilage	15	75	2 00
Thoroughbred White Flint. Spreading habit; leave only one kernel to grow in a hill. Broad blade and small stalk; valuable for fodder and ensilage; also for grain	20	85	2 25
Virginia Horse Tooth. For fodder and ensilage	15	75	2 00

### POP CORN (Shelled)

White Rice, White Pearl, Golden Queen, Silver Lace. Each, qt. 30 cts., 1/2pk. 85 cts., pk. \$1.50.

## MISCELLANEOUS CEREALS

All subject to change in price

BARLEY (48 lbs. to bushel). 2 bushels to acre.			
Champion. Price variable.			
BUCKWHEAT (48 lbs. to bus.) 2 bus. to acre.			
American Silver Hull. Early	} Market prices		
Japan. Productive; large grains.			
MILLETS (50 lbs. to the bushel)			
Japan Barnyard ( <i>Panicum Crus-galli</i> ). 30 to 40 lbs. to acre	Lb. 100 lbs.	\$0 12	\$6 00
Hungarian. 1 to 1 1/2 bushels to acre			
Market price..			
White French. White grain	12	8	50
Golden. 1 1/2 bushels to the acre	10	6	00
Pearl. Southern fodder plant	18	12	00
OATS (32 lbs. to the bushel). 2 to 3 bushels to the acre	Qt.	Bus.	
Sensation	\$0 15	\$1 25	
Clydesdale	15	1	50
RYE (56 lbs. to the bushel). 1 1/2 to 2 bushels to the acre.			
Spring Rye	20	2	00
Winter Excelsior	15	1	50
Mammoth Winter. Maximum crop 50 bushels of grain and 3 tons of straw per acre	20	2	00
WHEAT, WINTER (60 lbs. to the bushel). 1 1/2 bushels to the acre.			
Rupert's Giant. Bald red grain	20	2	00
Durum. The best for macaroni	25	2	75
Golden Chaff. Beardless	20	2	25
Klondyke. White grain; bald	20	2	25
Spring Wheat	25	2	50



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MAMMOTH WINTER RYE

# Forage, Economical and Miscellaneous Seeds

Except where noted, these seeds are not sold in packets. From 10c. to 25c. worth is the smallest quantity put up

All subject to change in price



SOJA BEANS

**ASPERULA odorata** (*Waldmeister*). Perennial, about 6 inches high; very fragrant flower. In Germany it is thought much of as imparting a certain bouquet to Rhine wine, making the well-known *Maitrank*. Per pkt., 10c.; per oz., 60c.

**ASTRAGALUS sinicus** (Milk Vetch, or Chinese Clover). Largely grown in Japan for feeding cattle and as a fertilizer for rice fields. It is a clover-like plant, with red and white flowers. Per oz., 10 cts.; per lb., 75 cts.

**AUSTRALIAN SALT BUSH** (*Atriplex semibacata*). Thrives in soils on which nothing else will grow, and it is highly recommended for alkali soils and all regions subject to periodical drought. It is very nutritious, and good for all kinds of live stock. Two to three pounds of seed are sufficient for an acre. The seed may be sown in beds, and the seedlings planted out when 2 inches high, 3 feet apart. Per oz., 15c.; per lb., \$1.25; 100 lbs., \$90.

**BEANS** (60 lbs. to the bushel)—

**Velvet Bean** (*Dolichos multiflorus*). Used in the South as a forage plant, and as a fertilizer plant for turning under. Stock readily eat the vines and leaves, and the beans, when ground with or without the pod, are used in place of oats or corn, or mixed with them. Plant in rows 4 feet apart and 1 foot in the row, 2 or 3 beans in a place, as soon as danger of frost is past. Per lb., 15 cts.; 100 lbs., \$10.

**Common English Horse Bean**. Crop doubtful.

**Soja Bean** (*Glycine hispida*). Thrives well in hot and dry weather. Valuable for the South. Plant at the rate of  $\frac{1}{2}$  to  $\frac{3}{4}$  bushel to the acre, in drills  $2\frac{1}{2}$  to 3 feet apart, and cultivate same as field corn. It does not make good hay, but is good as ensilage or green fodder.

**Beans, Mammoth Yellow**. Per qt., 25 cts.; bus., \$3.50.

**Hollybrook**. Per qt., 25 cts.; bus. \$4.

**BEGGARWEED** (Florida, or Giant Beggar Weed; *Desmodium tortuosum*). An erect leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in subtropical regions; it also makes hay of a fine quality. It should be sown at the rate of 10 pounds to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Crop failed.

**BERSEEM**. See under Clover, page 54.

**BROOM CORN** (*Sorghum vulgare*). (12 quarts to the acre.) Broom Corn succeeds in a good, deep soil, fresh but not damp; very sensitive to cold.

**Long-brush Evergreen**. Per lb., 15 cts.; per 100 lbs., \$7.50.

**Improved Dwarf**. Per lb., 15 cts.; per 100 lbs., \$8.

**California Golden Long-brush**. Grows from 12 to 14 feet high. Per lb., 15c.; 100 lbs., \$7.50.

**BROOM—Scotch** (*Genista scoparia*). The young growth of this shrub is chiefly valuable as food for sheep and other animals in winter. It is also employed for the making of coarse brooms. Per oz., 10 cts.; per lb., 60 cts.

**BURNET—Common Field** (*Poterium sanguisorba*). Perennial; makes excellent pasture for sheep; grows on the poorest ground—on dry, sandy or calcareous soils; resists the extremes of heat and cold. Sow in April, and again in September, with Sainfoin, Clover, Rye, Grass, etc., 30 lbs. to the acre. Per lb., 40 cts.

**CATERPILLARS** (*Scorpiurus*). A curious plant; of interest only on account of the peculiar fruits from which its name is derived. Amusement is caused by mixing them in salads. Per pkt., 5 cts.; oz., 40 cts.

**CHICORY, Large-rooted** (*Cichorium Intybus*). When the roots are dried, roasted and ground they become the Chicory of commerce, and are used in adulterating coffee. Crop failed.

**COTTON** (*Gossypium*). **Upland Big Boll**. Very prolific. Per lb., 18 cts.; per 100 lbs., \$12.

**Sea Island**. Per lb., 20 cts.; per 100 lbs., \$13.

**COWPEAS** (*Vigna Catjang*). Specially adapted to warm countries; extensively grown in our southern states; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. 1 bushel to the acre, in drills; 2 to  $2\frac{1}{2}$  bushels to the acre if sown broadcast.

**Black**. Per qt., 20 cts.; per bus., \$3.50.

**Black-eyed**. Per qt., 20 cts.; per bus., \$4.

**Clay**. Per qt., 20 cts.; per bus., \$3.50.

**New Era**. Per qt., 20 cts.; per bus., \$3.50.

**Whippoorwill**. Per qt., 20 cts.; per bus., \$3.50.

**EMMER** (sometimes advertised as "Speltz," though this name is incorrect, the true "Speltz" being a different article). It is grown quite ex-

**Emmer**, continued

tensively in the Northwest, having been brought by the Germans from Russia, where it is considered a valuable cereal on account of its hardness and drought-resisting qualities. Per lb., 15 cts.; per 100 lbs., \$8.

**ESPARTO GRASS** (*Stipa tenacissima*). This is the true Esparto Grass, extensively grown in Spain and other parts of the Mediterranean countries for making rope, etc. Pkt., 15 cts.; per oz., \$1.

**ESPARSETTE**. See *Onobrychis sativa*.

**FENUGREEK** (*Trigonella Fœnum-Græcum*). Annual. This seed is often sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for soiling when green. Per oz., 10 cts.; per lb., 30 cts.

**FLAT PEAS**. See *Lathyrus sylvestris*, below.

**FURZE** (*Ulex Europæa*). Also known as Whin and Gorse. A perennial leguminous shrub. The crushed sprigs of one year's growth of this shrub furnish an excellent green fodder in winter. It grows well on barren hillsides and in sandy soil. Sheep are fond of it. 25 lbs. to the acre. Per oz., 30 cts.; per lb., \$3.

**HEMP** (*Cannabis*). One bushel to acre. Per lb., 10 cts.; per 100 lbs., \$8.

**HOP SEED** (*Humulus lupulus*). Per pkt., 10 cts.; per oz., 70 cts.

**INDIGO SEED** (*Indigofera Dosua*). Per oz., 30 cts.; lb., \$3.

**JERSEY WINTER KALE**, or **Cow Cabbage**. For feeding cattle; very hardy. Per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cts.

**JERUSALEM CORN**. See Sorghum, page 58.

**JUTE** (*Corchorus*). Annual. Thrives in any good corn ground. Sow in drills, about 8 inches apart, 4 pounds to the acre. Requires no cultivation, as it will outstrip in growth all weeds. May be also sown broadcast. 6 to 7 pounds per acre. Per oz., 10 cts.; per lb., 50 cts.

**KAFFIR CORN**. See Sorghum, page 58.

**KIDNEY VETCH**, or **Sand Clover**. See Clovers, page 54.

**LIQUORICE** (*Glycyrrhiza glabra*). Seed in pods, per oz., 40 cts.

**LOTUS corniculatus** (*Bird's-foot Trefoil*). Perennial, used in pastures. Cattle and sheep eat it readily, and it is said to be quite nutritious. It grows on the lightest and most sterile soils, and can withstand severe droughts. Is excellent for sowing in mixture for dry pastures. Per lb., 75 cts.

**villosus**, or **major** (*Greater Bird's-foot Trefoil*). Per lb., 75 cts.

**LUPINS, Yellow**. Succeeds well in the poorest soil, and is exceedingly valuable for plowing in to improve sandy soils. It makes good forage either green or as hay. The seeds are very fattening when used with hay. Sow in the spring when the ground has become warm, at rate of 90 lbs. to acre. Per lb., 15 cts.; per 100 lbs., \$6.

**White** (*Large Flat Seed*). One of the best plants known for green manure, as it gathers large

**Lupins, White**, continued

quantities of nitrogen from the air. It may be sown from April to July, and plowed under when in flower. The seed, when burned, is excellent manure for orange and olive trees. Per lb., 15 cts.; per 100 lbs., \$7.

**Blue**. Used for the same purpose as the white variety. Per lb., 15 cts.; per 100 lbs., \$6.

**MILLETS**. See Cereals, page 55.

**MILLO MAIZE**. See Sorghum, Branching, page 58.

**ONOBRYCHIS sativa** (*Sainfoin*, French; *Esparssette*, German). A perennial leguminous plant, belonging to the same family as Clover and Lucerne. It is a valuable plant for growing on poor land and barren hillsides. When once well established, it lasts for many years. If to be used for hay, cut just before the flowering period. Sow in spring, covering the seeds quite deeply, at rate of 80 lbs. or 100 lbs. to the acre. Per lb., 15 cts.; per 100 lbs., \$11.

**OSAGE ORANGE** (*Maclura aurantiaca*). Useful for hedges. Per oz., 10 cts.; per lb., 50 cts.; 25 lbs. and up at 30 cts. per lb.

**PEARL MILLET** (*Penicillaria spicata*). A valuable fodder plant for the South; is enormously productive. Sow the seed in drills 18 inches apart and 8 to 10 pounds to the acre. Per lb., 18 cts.; per 100 lbs., \$12.

**PEAS, Canadian Field**. Valuable for northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre, in drills, 2 to 3 bushels to the acre. Market price.

**PENICILLARIA spicata**. See Pearl Millet above.

**POPPY, Opium** (*Papaver somniferum*). The seed furnishes an agreeable sweet oil, used for the table, also for painting and for illuminating. May be sown in spring either broadcast or in drills, covering thinly. Also cultivated for opium. Per pkt., 5 cts.; per oz., 20 cts.; per lb., 75 cts.

**POLYGONUM Sachalinense** (*Sacaline*). Hardy perennial, native of the island of Saghalin, between Japan and Siberia. It grows well on the poorest soils, and endures the extremes of heat and cold. Reaches a height of 10 to 12 feet, and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are eaten either green or dry by cattle and sheep, and much relished. Clean seed, per oz., 30 cts.; per lb., \$2.75.

**RAMIE, Silver China Grass** (*Urtica nivea*). Extensively cultivated for its fiber. The seed should be germinated on cotton floating in lukewarm water, and transferred to a bed, screened from the hot sun. When the plants are 4 inches high, transplant to a field in rows 4 feet apart each way; when 3 feet high, turn them over and peg down, covering with earth, and they will start in every direction. Per pkt., 15 cts.; per oz., 85 cts.; per lb., \$10.

**RAPE, Dwarf Essex English** (*Brassica napus*). Largely grown in the northern United States, and in Canada. It is excellent for sheep pasture, and also for soiling. It may be sown in May, and will be ready for pasturing in July and August. or it may be sown in June or July, and yet



SERADELLA

**Rape, continued**

furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sown broadcast, 10 pounds to the acre. Per lb., 10 cts.; per 100 lbs., \$8.

**REANA luxurians** (*Teosinte*). Short crop. A valuable fodder plant from Central America, in growth resembling Indian Corn. Well adapted to our southern states. Per oz., 15 cts.; per lb., \$1.25.

**RICE SEED**, for sowing. Best Carolina. Per lb., 10 cts.; per 100 lbs., \$7.50.

**SAINFOIN**. See *Onobrychis*, page 57.

**SALT BUSH**. See Australian Salt Bush, page 56.

**SACALINE**. See *Polygonum Sachalinense*, page 57.

**SERADELLA** (*Ornithopus sativus*). A valuable forage plant, admitting of one, and sometimes two cuttings, in one season. It succeeds well in a dry, sandy soil and furnishes a good pasture for sheep. It may also be cured for hay. Can be sown with winter rye. About 50 pounds to the acre. Per lb., 20 cts.; per 100 lbs., \$14.

**SNAILS** (*Medicago scutellata*). Used in the same way as Caterpillars. Per paper, 5 cts.; per oz., 40c.

**SORGHUM** (25 pounds required to the acre if sown in drills. For dry fodder two bushels should be sown to the acre).

**Shallu**. A non-saccharine sorghum from India, also known as Egyptian Wheat. Requires more room to develop than ordinary Sorghum, and consequently needs less seed to sow an acre. Per lb., 15 cts.; per 100 lbs., \$10.

**Early Amber Sugar Cane**. Ripens wherever Indian corn matures. Grows 10 to 12 feet high. Per lb., 15 cts.; per 100 lbs., \$8.

**Early Orange Sugar Cane**. Ripens about ten days after Early Amber, and is said to produce a larger crop. Per lb., 15c.; per 100 lbs., \$8.

**Yellow Branching** (*Yellow Millo Maize*). Non-saccharine; useful for the large amount of foliage, green feed or cured fodder that it furnishes and for its grain. Per lb., 15 cts.; 100 lbs., \$8.

**Red Kaffir Corn, or Sorghum**. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Per lb., 15c.; per 100 lbs., \$6.50.

**Sorghum, White Kaffir Corn**. Per lb., 15 cts.; 100 lbs. \$6.50.

**Jerusalem Corn**. Per lb., 15 cts.; 100 lbs., \$10.

**Brown Dhoura Corn**. Per lb., 15 cts.; per 100 lbs., \$8.50.

**White Dhoura Corn**. Per lb., 15 cts.; per 100 lbs., \$8.50.

**Halepense** (*Johnson Grass*). One of the most valuable southern fodder plants. On rich soils it may be cut three or four times in a single season, and it is claimed that hay made from it is equal in value to timothy. Sow in August and September. 35 or 40 pounds to the acre. Per lb., 22 cts.; per 100 lbs., \$20.

**SPELTZ**. See Emmer, page 56.

**SPURRY** (*Spergula arvensis*). Annual. Grows well on poor, dry, sandy soil; may be sown every month from March to August. Excellent pasture for cattle and sheep; also of much value as a fertilizer for light soil. 15 pounds to the acre. Per lb., 15 cts.; per 100 lbs., \$8.

**Giant Spurry**. Per lb., 15 cts.; per 100 lbs., \$8.50.

**SUNFLOWER, Large Russian**. Per lb., 10 cts.; per 100 lbs., \$8 (price fluctuates).

**TEASELS—Fullers'** (*Dipsacus Fullonum*). Heads used for combing cloth. Requires a deep soil; sow in April or May. The young leaves are used for feeding silkworms. Per lb., 35 cts.

**TEOSINTE**. (See *Reana luxurians*, this page.)

**TOBACCO SEED**. See page 44.

**ULEX Europæa**. See Furze, page 57.

**VELVET BEAN**. See page 56.

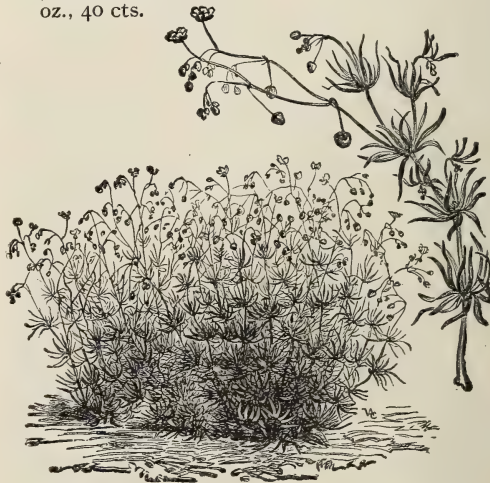
**VETCHES—Spring Tares** (*Vicia sativa*). Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable. Present quotation, per lb., 10 cts.; per 100 lbs., \$5.50.

**Sand, Winter, or Hairy Vetch**. (*Vicia villosa*.)

Thrives on poor, arid, sandy soils. It may be sown either in fall or in spring, mixed with rye, for a support. Grows 3 to 4 feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow from 30 to 50 lbs. to the acre. Price variable. Present quotation, per lb., 15c.; per 100 lbs., \$12.

**WALDMEISTER**. See *Asperula odorata*, page 56.

**WORMS** (*Astragalus hamosus*). Used the same as Snails and Caterpillars. Per pkt., 5 cts.; per oz., 40 cts.



SPURRY

# Tree and Shrub Seeds

To preserve seeds of Conifers and other Evergreen Trees, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude, the seeds should be sown thinly, as early in the spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and winds, and to keep the birds from destroying them. Seeds of the rarer sorts may be sown in coldframes or boxes; if in coldframes, the sashes should be shaded and the frames raised at the corners 3 or 4 inches, to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain from one to two years before transplanting.

The propagation of Deciduous Trees from seed is less difficult than that of Evergreen species. Acorns, Hickory Nuts, Chestnuts and Walnuts should be planted in autumn, or kept during the winter in earth or moss. They thrive up by too-long exposure to the air, and many of them lose their vitality. Those seeds with hard shells, like the Locust, Gymnocladus, etc., should be planted in autumn or placed in boxes with sand, and exposed to frost before planting. They may not germinate till the second year after planting, and if they are received too late in the spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. American Elm, Silver Maple, and a few other sorts ripen their seeds early in summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other Deciduous Trees and Shrubs should be planted from the middle of April to the middle of May, in drills about 2 feet apart, and covered about 1/2 inch in depth, according to size.

Some of the varieties here offered are on hand now; many are due from foreign countries, where they are being collected for us. We are, of course, uncertain of getting all of them. As the season advances, many sorts become worthless from various causes, or are sold out, and cannot be replaced until the new crop is ready next season.

## EVERGREEN TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

	Per oz.	Per lb.
<i>Abies</i> alba (White Spruce).....	\$0 35	\$3 50
Arizona (Silver Cork Fir).....	1 10	14 00
balsamea (Balsam Fir).....	15 1	50
brachyphylla (Short-leaved Japan Fir).....	35 3	50
Canadensis (Hemlock Spruce).....	45 4	50
Cephalonica (Greek Silver Fir).....	35 3	50
concolor (Calif. White Silver Fir).....	35 3	50
firma (Japan Silver Fir).....	25 2	50
grandis (Great Silver Fir of Oregon).....	50 5	00
magnifica (Superb Silver Fir).....	35 3	50
Mariesii (Japan Silver Fir).....	50 5	00
Mertensiana (Calif. Hemlock Spruce).....	90 11	00
Nordmanniana (Nordmann's Fir).....	20 2	00
pectinata (European Silver Fir).....	10 7	75
Pinsapo (Spanish Fir).....	25 2	50
Sachalinensis (Saghalien Fir).....	40 4	00
Sibirica (Siberian Silver Fir).....	30 3	00
subalpina (Dwarf Mountain Spruce).....	70 7	00
Veitchii. From Japan.....	35 3	50
<b>Arboretæ.</b> See Thuja.		
<b>Arctostaphylos</b> glauca (Great-berried Manzanita).....	20 1	75
tomentosa (Woolly-branched Strawberry Tree).....	20 1	75
<b>Buxus</b> sempervirens (Evergreen Box).....	25 2	50
<b>Cedrus</b>		
Atlantica argentea (Mt. Atlas Cedar).....	35 3	50
Deodara (Himalayan Cedar).....	35 3	50
Libani (Cedar of Lebanon).....	35 3	50
<b>Chamæcyparis</b> obtusa. From Japan.....	20 2	00
<b>Cryptomeria</b> japonica (Japan Cedar).....	25 2	50
<b>Cupressus</b>		
Arizona (Arizona Cypress).....	55 5	50
Goveniana (Goven's Cypress).....	50 5	00
horizontalis (Horizontal Cypress).....	10 1	00
Lawsoniana (Lawson's Cypress).....	50 5	00
MacNabiana (Mountain Cypress).....	40 4	00
macrocarpa (Monterey Cypress).....	15 1	50
pyramidalis.....	10 1	00
sempervirens (Evergreen Cypress).....	10 1	00

**Fir Tree.** See *Abies* and *Picea*.

<b>Juniperus</b>	Per oz.	Per lb.
argentea (Silvery-leaved Red Cedar).....	\$0 15	\$1 50
Bermudiana (Pencil-wood Cedar).....	15 1	25
Californica (Calif. Juniper).....	40 4	00
communis (European Juniper).....	10 7	70
Hibernica (Irish Juniper).....	25 2	50
occidentalis (Western Juniper).....	30 3	00
Oxycedrus (Sharp-leaved Cedar).....	20 2	00
Virginiana (Red Cedar).....	10 8	00
<b>Norway Spruce.</b> See <i>Picea excelsa</i> .		
<b>Picea</b>		
Douglasii (Douglas' Spruce).....	45 4	50
excelsa (Norway Spruce).....	20 1	75
Menziesii (Menzie's Fir).....	60 6	00
nigra (Black Spruce).....	55 5	50
polita (Tiger's Tail Fir).....	60 6	00
pungens (Colorado Blue Spruce).....	60 6	00
rubra (Red Spruce).....	55 5	50
Williamsonii (Williamson's Spruce).....	1 00	12 00
<b>Pinus</b> Austriaca (Austrian Pine).....	15 1	50
australis (palustris) Southern Pine).....	45 4	50
Benthamiana (Foot Hills Yellow Pine).....	45 4	50
Canariensis (Canary Island Pine).....	45 4	50
Cembra (Cembran Stone Pine).....	10 1	00
contorta (Twisted Branch Pine).....	80 8	00
Coulteri (Coulter's Pine).....	70 7	00
densiflora (Japan Pine).....	25 2	25
flexilis (Graceful Pine).....	45 4	50
Halepensis (Jerusalem Pine Tree).....	25 2	50
insignis (Oregon Pitch Pine).....	30 3	00
Jeffreyana (Jeffrey's Pine).....	45 4	50
Koraiensis. From Japan.....	35 3	50
Lambertiana (Sugar Pine).....	30 3	00
Laricio (Corsican Pine).....	35 3	50
maritima (Seaside Pine).....	10 1	00
Monticola (Mountain White Pine).....	75 7	50
mitis (Short-leaved Pine).....	55 5	50
montana (mughus).....	40 4	00
monophylla (Calif. Nut Pine).....	45 4	50
muricata (Bishop's Pine).....	70 7	00
parviflora. From Japan.....	30 3	00
Pinea (Stone Pine, or Nut Pine).....	10 8	00

## Evergreen Tree and Shrub Seeds, continued

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Pinus ponderosa</b> (Heavy Pine).....	\$0 35	\$3 50	<b>Thuja aurea</b> (Golden Arborvitæ).....	\$0 25	\$2 50
resinosa (Red Pine).....	1 00	12 00	compacta (Compact Arborvitæ).....	25	2 50
rigida (Northern Pitch Pine).....	35	3 50	gigantea (Giant Oregon Arborvitæ)....	60	6 00
Sabiniana (Sabine's Nut Pine).....	25	2 50	orientalis (Chinese Arborvitæ).....	15	1 50
Strobus (White Pine).....	30	3 00	occidentalis (American Arborvitæ)....	40	4 00
sylvestris (Scotch Pine).....	25	2 50	<b>Thujopsis dolobrata</b> (Japanese Thuja)..	60	6 00
tæda (Loblolly).....	55	5 50	<b>Torreya Californica</b> (California Nutmeg).	25	2 25
Torreyana (Torrey's Pine).....	45	4 50	nucifera. From Japan.....	15	1 50
tuberculata (Tuberculated Pine).....	70	7 00	<b>Tsuga canadensis</b> (Hemlock Spruce)....	60	6 00
<b>Sciadopitys</b>			heterophylla (Prince Albert's Fir).....	75	
verticillatus (Umbrella Pine of Japan).	40	4 00	Sieboldii (Siebold's Japan Spruce)....	50	5 00
<b>Schinus molle</b> (False Pepper).....	15	1 50	<b>Yucca</b>		
<b>Sequoia gigantea</b> .....	80	10 00	baccata (Berry-bearing Yucca).....	75	
sempervirens (California Redwood)....	50	5 00	brevifolia (Short-leaved Yucca).....	1 00	
<b>Spruce Tree.</b> See <i>Abies</i> and <i>Picea</i> .			filamentosa (Adam's Needle).....	35	3 50
<b>Taxus baccata</b> (English or European Yew).	20	2 00	Whipplei (Whipple's Yucca).....	50	5 00

## DECIDUOUS TREE AND SHRUB SEEDS

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Acer</b>			<b>Broussonetia papyrifera</b> (Paper Mul-Per berry).....	\$0 25	\$2 50
campestre (European Field Maple)....	\$0 10	\$0 50	<b>Callicarpa</b>		
macrophyllum (Large-leaved Maple)...	15	1 50	Americana (French Mulberry).....	10	1 00
negundo (Box Elder).....	10	60	<b>Calycanthus floridus</b> (Common Carolina Allspice).....	10	1 00
platanoides (Norway Maple).....	10	80	occidentalis (Western Allspice).....	40	4 00
pseudo-platanus (Sycamore Maple)....	10	1 00	<b>Camellia Japonica.</b> From Japan.....	15	1 50
spicatum (Mountain Maple).....	20	2 00	<b>Camphor.</b> See <i>Cinnamomum</i> .		
<b>Æsculus flava</b> (Sweet or Yellow Buckeye).		35	<b>Carpenteria Californica</b> .....	1 60	22 00
glabra (Fetid or Ohio Buckeye).....		35	<b>Carya amara</b> (Bitter Nut).....		
<b>Ailanthus glandulosus</b> (Tree of Heaven)	10	1 00	qt. 35 cts.; bus., \$4.50..		
<b>Almond.</b> See <i>Amygdalus</i> .			sulcata (Big Shellbark Hickory).....		
<b>Alnus glutinosa</b> (Common Alder).....	10	90	qt., 35 cts.; bus., \$4.50..		
incana (Smooth White Alder).....	15	1 25	tomentosa (Mocker Nut).....		
Oregona (Oregon Alder).....	30	3 00	qt., 35 cts.; bus., \$4.50..		
rugosa.....	25	2 50	<b>Carpinus Americana</b> (Water Beech)....	15	1 75
viridis (Green Alder).....	25	2 50	<b>Castanea Americana</b> (American Chestnut).....	10	40
<b>Amorpha angustifolia</b> .....	10	80	Japonica (Japan Chestnut).....	10	60
fruticosa (Falso Indigo).....	10	80	<b>Catalpa speciosa.</b> <i>True Hardy Catalpa</i> ..	25	2 50
montana.....	10	80	<b>Ceanothus</b>		
Tennesseensis.....	10	80	thyrsiflorus (California Lilac).....	30	3 00
variegata.....	10	80	<b>Celastrus articulatus</b> (Staff Tree).....	20	2 00
<b>Ampelopsis hederacea</b> (Woodbine).....	15	1 25	scandens (Climbing Bittersweet).....	20	2 00
Veitchii (Boston Ivy). Clean seed.....	40	4 00	<b>Celtis australis</b> (European Nettle Tree)	15	1 25
<b>Amygdalus</b>			<b>Cerasus Caroliniana</b> .....	15	1 50
vulgaris dulcis (Sweet Almond).....	10	1 00	<b>Cercis</b>		
vulgaris amara (Bitter Almond).....	10	1 00	Canadensis (American Judas Tree)....	10	1 00
<b>Andromeda</b>			occidentalis (California Judas Tree)...	40	4 00
ligustrina (Privet Andromeda).....	50	5 00	Siliquastrum (European Judas Tree)....	10	1 00
<b>Arbutus Menziesii</b> (Madrona Tree).....	30	3 00	<b>Cinnamomum</b> <i>Camphora</i> (Camphor)..	35	3 50
Unedo (Strawberry Bush).....	30	3 00	<b>Citrus trifoliata</b> (Hardy Japan Orange)..	15	1 50
<b>Ardisia crenata.</b> Very decorative.....	30	3 00	<b>Clematis</b>		
<b>Aristolochia Siphon</b> (Dutchman's Pipe). I	00	12 00	flammula (White Virgin's Bower).....	25	2 50
<b>Ash.</b> See <i>Fraxinus</i> .			paniculata (Panicked Virgin's Bower)..	50	5 00
<b>Asimina triloba</b> (Paw Paw).....	10	1 00	vitalba (Traveler's Joy).....	10	1 00
<b>Azalea calendulacea</b> (Flame-colored Azalea).....	60	6 00	viticella (Purple Virgin's Bower).....	15	1 50
<b>Berberis</b>			virginica (American Virgin's Bower)...	60	6 00
Thunbergi. Fine for hedges.....	25	2 50	<b>Clethra alnifolia</b> (Sweet Pepper Bush)...	15	1 25
vulgaris (Common Barberry). Clean seed.....	15	1 25	<b>Colutea</b>		
vulgaris purpurea (Purple-leaved). Clean seed.....	25	2 50	arborescens (Shrubby Bladder Senna)..	10	1 00
<b>Betula alba</b> (White European Birch)....	10	60	<b>Cornus</b>		
alba laciniata (Fern-leaved Birch)....	15	1 25	alternifolia (Alternate-leaved Dogwood).....	15	1 50
Americana alba (White Amer. Birch)....	15	1 25	florida (Flowering Dogwood).....	10	60
lenta (Mountain Mahogany).....	25	2 50	Nuttalli (Nuttall's Dogwood Box)....	15	1 50
lutea (Yellow or Grey Birch).....	25	2 50	mascula (Cornelian Cherry).....	10	65
nigra (Red Birch).....	25	2 50	paniculata (Panicle-flowered Dogwood)	20	2 00
papyracea (Paper Birch).....	25	2 50	sanguinea (Scarlet Dogwood).....	10	65
populifolia (Poplar-leaved Birch).....	10	1 00	sericea (Silky Cornel).....	15	1 50
<b>Bignonia radicans</b> (Trumpet Creeper)....	25	2 50	stolonifera (Osier Dogwood).....	10	1 00
<b>Boston Ivy.</b> See <i>Ampelopsis Veitchii</i> .			<b>Coronilla Emerus</b> (Scorpion Senna)....	40	4 00
<b>Broom.</b> See <i>Genista</i> .					



**Deciduous Tree and Shrub Seeds, continued**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Corylus avellana</b> (German Hazel) .....	\$0 10	\$0 65	<b>Ilex glabra</b> (Inkberry) .....	\$0 15	\$1 50
<b>Crataegus</b>			verticillata (Deciduous Holly) .....	15	1 25
coccinea (Scarlet-fruited Thorn).....	10	75	<b>Indigofera</b> Dosua (Indigo Tree).....	30	3 00
Crus-galli (Cocksbur Thorn).....	10	75	<b>Juglans</b> . . qt., 20 cts.; bus., \$3.50.....		
monogyne.....	10	1 00	Californica.....	10	75
oxyacantha (Hawthorne).....	10	60	cordiformis. From Japan.....	10	60
<b>Cytisus alpinus</b> (Scotch Laburnum).....	15	1 50	Mandschurica. From Japan.....	10	60
Laburnum (Laburnum or Golden Chain).....	15	1 25	nigra (Black Walnut).....		
scoparius. See Genista.			qt., 20 cts.; bus., \$3.50..		
<b>Daphne Mezereum</b> (Mezereon).....	40	4 00	regia (English Walnut).....	10	60
<b>Daphniphyllum macropodon</b> .....	15	1 50	Sieboldii. From Japan.....	10	60
<b>Deutzia crenata</b> .....	25	2 50	<b>Koelreuteria</b>		
gracilis (Japanese Snowflower).....	15	1 50	paniculata (Chinese Bladder Nut).....	10	75
scabra (White Deutzia).....	30	3 00	<b>Larix Europæa</b> (European Larch).....	30	3 00
<b>Diospyros virginiana</b> (American Persimmon).....	10	80	<b>Laurus nobilis</b> (Sweet Bay).....	10	60
<b>Dogwood</b> . See Cornus.			<b>Ligustrum</b>		
<b>Elæagnus angustifolia</b> (Narrow-leaved Oleaster).....	30	3 00	lbota (Chinese Privet).....	20	2 00
longipes*(Long-stalked Oleaster).....	20	2 00	lbota regelianum.....	30	3 00
<b>Eucalyptus</b>			Japonicum (Japan or Calif. Privet)...	10	65
gigantea (Stringybark Tree).....	45	4 50	ovalifolium (Oval-leaved Privet).....	15	1 25
globulus (Tasmania Blue Gum).....	55	5 50	vulgare (Common Privet).....	15	1 50
Gunni (Cider Tree of Tasmania).....	55	5 50	<b>Liquidambar styraciflua</b> (Sweet Gum)..	35	3 50
leucoxylon (Australian Iron Bush)....	45	4 50	<b>Liriodendron tulipifera</b> (Tulip Tree)....	10	60
obliqua (Stringybark Tree).....	40	4 00	<b>Locust</b> . See Gleditschia and Robinia.		
robusta (Brown Gum).....	50	5 00	<b>Lonicera Tatarica</b> (Tartarian Honey-suckle).....	25	2 50
Stuartiana (Apple-scented Gum Tree) .	55	5 50	<b>Maclura aurantiaca</b> (Osage Orange).....		
viminalis (Blue Gum).....	55	5 50	25 lbs. and up at 30 cts. per lb. ....	10	50
<b>Euonymus Americana</b> (Strawberry Bush)	25	2 50	<b>Magnolia acuminata</b> (Cucumber Tree)..	15	1 50
Europæus (Spindle Tree).....	15	1 25	glauca (Sweet Bay).....	25	2 50
Japonicus (Japanese Spindle Tree)....	20	2 00	hypoleuca. From Japan.....	30	3 00
<b>Fagus</b>			Kobus. From Japan.....	25	2 50
Americana (American Beech).....	10	75	tripetala (Umbrella Tree).....	20	2 00
Japonica.....	20	2 00	<b>Mahonia aquifolia</b> (European Holly)....	20	2 00
sylvatica (European Beech).....	10	75	<b>Maple</b> . See Acer.		
sylvatica purpurea (Purple Beech)....	15	1 25	<b>Morus alba</b> (White Mulberry).....	20	1 75
<b>Fraxinus</b>			alba fructa nigra.....	25	2 50
Americana (White American Ash).....	10	75	Tatarica (Russian Mulberry).....	30	3 00
excelsior (European Ash).....	10	50	<b>Mulberry</b> . See Morus.		
excelsior pendula (Weeping Ash).....	10	50	<b>Myrica Californica</b> (Calif. Wax Myrtle). 40	4 00	
Oregona (Oregon Ash).....	30	3 00	cerifera (Candleberry Myrtle).....	15	1 50
Ornus (Flowering Ash).....	10	60	<b>Nyssa sylvatica</b> (multiflora) (Sour Gum Tree).....	10	1 00
sambucifolia (Black, or Water Ash)....	15	1 25	<b>Osage Orange</b> . See Maclura.		
viridis (Green Ash).....	10	60	<b>Paliurus aculeata</b> (Christ's Thorn).....	10	90
<b>Fremontia Californica</b> (Slippery Elm of California) .....	1	10 00	<b>Paulownia imperialis</b> (Empress Tree)....	15	1 25
<b>Gaultheria Shallon</b> (Calif. Winterberry). 50	5 00		<b>Photinia arbutifolia</b> .....	15	1 50
<b>Gaylussacia frondosa</b> (Blue Huckleberry).....	45	4 50	<b>Platanus orientalis</b> (Oriental Plane)....	10	65
resinosa (Black Huckleberry).....	30	3 00	occidentalis (Button-ball).....	10	70
<b>Genista scoparia</b> (Scotch Broom).....	10	60	<b>Plum</b> . See Prunus.		
juncea (Fragrant Spanish Broom).....	10	80	<b>Populus tremula</b> (Haps Tree).....	15	1 50
tinctoria (Dyer's Broom).....	20	2 00	<b>Prunus Americana</b> (Wild Plum).....	15	1 50
<b>Ginkgo</b> . See Salisburia.			Caroliniana (Carolina Plum, or Mock-orange).....	15	1 50
<b>Gleditschia horrida</b> (Horrid Thorn)....	15	1 50	maritima (Beach Plum).....	30	3 50
triacanthos (Honey Locust).....			Pennsylvanica (Wild Red Cherry)....	25	2 50
100 lbs., \$35.....	10	45	serotina (Wild Black Cherry).....	10	60
<b>Gymnocladus</b>			Virginiana (American Choke-cherry)...	10	90
Canadensis (Kentucky Coffee Tree)....	10	75	<b>Ptelea trifoliata</b> (Hop Tree).....	15	1 50
<b>Halesia tetraptera</b> (Silver Bell).....	15	1 50	<b>Quercus Catesbæi</b> (Barren Scrub Oak)...		
<b>Hedera Helix</b> (English Ivy).....	10	70	qt., 30c.		
<b>Hibiscus Syriacus</b> fl. pl. (Double Rose of Sharon).....	15	1 50	bicolor (Swamp White Oak) . . . qt., 20c.		
<b>Hydrangea paniculata</b> (Panicked Hydrangea).....	60	6 00	falcata (American "Spanish" Oak)...		
<b>Hypericum aureum</b> .....	50	5 00	qt., 30c.		
<b>Holly</b> . See Ilex and Mahonia.			lyrata (Swamp Post Oak) . . . qt., 25c.		
<b>Ilex aquifolium</b> (Common Holly).....	10	70	Michauxii (Basket Oak).....	qt., 25c.	
decidua (Deciduous Holly).....	15	1 50	nigra (Barren Oak).....	qt., 25c.	
			obtusiloba (Box White Oak) . . . qt., 25c.		
			tinctoria (Yellow-barked Oak) qt., 30c.		

## Deciduous Tree and Shrub Seeds, continued

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Rhamnus</b>					
Alaternus (Barren Privet).....	\$0 15	\$1 25	<b>Styrax Japonica</b> .....	\$0 15	\$1 50
Californica (Calif. Coffee Tree).....	25	2 50	<b>Syringa vulgaris</b> (Lilac).....	15	1 50
Carolina (Indian Cherry).....	15	1 25	Clean seed.....	35	3 50
cathartica (Buckthorn).....	10	1 00	<b>Tamarix Gallica</b> (Common Tamarisk)...	40	4 00
<b>Rhododendron</b> Catawbiense.....	75		<b>Taxodium distichum</b> (Deciduous Cy-		
Californica maximum.....	1 50		press).....	15	1 25
maximum (Great Laurel).....	75		<b>Tecoma radicans</b> (Trumpet Creeper)....	25	2 50
<b>Rhus</b> copallina (Dwarf Sumach).....	10	80	<b>Thea Chinensis</b> (Chinese Tea).....	10	75
cotinus (Smoke Tree).....	30	3 00	<b>Tilia argentea</b> (Silver-leaved Linden)...	15	1 50
glabra (Scarlet Sumach).....	10	80	Europæa (European Linden).....	10	1 00
typhina (Staghorn Sumach).....	15	1 25	grandiflora (Large-leaved Linden).....	10	1 00
<b>Robinia</b> pseudacacia (Yellow, or Black			<b>Ulex Europæa</b> (Furze, Gorse or Whin)...	30	3 00
Locust).....	100 lbs., \$28.	10 40	<b>Ulmus campestris</b> (Common Elm).....	10	1 00
<b>Rosa</b> blanda (Early Wild Rose).....	10	80	Americana (American White Elm)....	15	1 25
canina (Briar Rose).....	10	1 00	montana (Large-leaved Elm).....	10	1 00
Carolina (Swamp Rose).....	10	90	<b>Vaccinium</b> atrococcum (Black High Blue-		
humilis (Low Rose).....	15	1 50	Berry).....	30	3 00
rubiginosa (Sweetbriar). Clean seed...	15	1 25	corymbosum (Swamp Blueberry).....	30	3 00
rugosa Regeliana rubra (Dr. Regel's			pallidum (Pale-flowered Whortle-berry)	30	3 00
Rose).....	30	3 00	Pennsylvanicum (Low Early Blueberry),	30	3 00
<b>Salisburia</b> adiantifolia (Maidenhair Tree)	10	80	vaccillans (Low Blueberry).....	30	3 00
<b>Sambucus</b> canadensis (American Elder)	10	80	<b>Viburnum</b> acerifolium (Dockmackie) ...	15	1 50
glauca (California Elder).....	15	1 50	cassinoides (Appalachian Tea Tree)....	15	1 50
nigra (Elderberry).....	10	75	dentatum (American Arrow-wood)....	10	80
racemosa (Hart's Elder).....	10	75	nudum (American White Rod).....	15	1 25
<b>Sassafras</b> officinale (Sassafras Tree)....	15	1 50	lantanooides (Wayfaring Tree).....	15	1 50
<b>Spartium</b> scoparia. See Genista.			Opulus (Snowball).....	10	80
<b>Spiræa</b> Douglasii (Douglas' Spiræa)....	80	8 00	prunifolium (Black Hawk).....	10	1 00
salicifolia (American Meadow Sweet)..	10	75	Tinus (Laurestinus).....	15	1 50
tomentososa (Hard Hack).....	10	75	<b>Vitex</b> Agnus-castus (Chaste Tree).....	15	1 50
<b>Staphylea</b> pinnata (Eu. Bladdernut)....	15	1 25	<b>Walnuts</b> . See Juglans.		
<b>Symphoricarpus</b>			<b>Wistaria</b> .		
vulgaris (Indian Currant).....	10	1 00	Chinensis (Chinese Wistaria).....	40	4 00
occidentalis (Wolf Berry).....	25	2 50	Chinensis alba (White Chinese Wistaria)	70	7 00
			<b>Zizyphus</b> sativa (Cultivated Jujube)....	20	2 00

## FRUIT SEEDS

	Per oz.	Lb.	100 lbs.		Per oz.	Lb.	100 lbs.
<b>Apple Seed</b> .....	\$0 10	\$0 75		<b>Plum Pits, Green Gage</b> .....	\$0 30	\$25 00	
<b>Paradise Apple</b> ( <i>Pyrus para-</i>				Damson, for grafting.....	35	35 00	
<i>distaca</i> ).....	10	60		<b>Plum Pits, Myrobolan</b> .....	45	40 00	
<b>Apricot Pits</b> .....	25	\$22 00		St. Julien.....	45	40 00	
<b>Cherry Pits, Mahaleb</b> .....	50	40 00		Domestic.....	30	22 00	
Black Mazzard.....	30	25 00		<b>Quince Seed</b> .....	\$0 25	2 50	
Domestic.....	25	20 00		<b>Raspberry, red</b> ... pkt., 10c... ..	25	2 50	
<b>Currants, Black</b> ... pkt., 10c... ..	25	2 50		Yellow..... " 10c... ..	30	3 00	
Red Dutch..... " 05c... ..	20	2 00		Black..... " 10c... ..	30	3 00	
White Dutch..... " 05c... ..	20	2 00		<b>Strawberry, Mixed</b> " 10c... ..	75		
<b>Gooseberry, Green</b>				Red Alpine..... " 10c... ..	1 00		
and Yellow... " 10c... ..	40			<b>Vitis æstivalis</b> (Summer Grape)	25	2 25	
Large Red..... " 10c... ..	40			arborea.....	25	2 50	
<b>Peach Pits, Natural</b> .....				cordata.....	25	2 50	
qt., 15 cts.; bus., \$2.50..				cordifolia (Frost Grape)....	25	2 50	
<b>Pear Seed</b> .....	25	2 50		Labrusca (Northern Fox			
<b>Pear Seed. From Japan</b> .....	45	4 50		Grape).....	25	2 50	
				riparia.....	25	2 50	

## SEEDS OF HEDGE PLANTS

For prices, see under head of Tree seeds

<b>Barberry, Common</b> .....	Berberis vulgaris.	<b>Locust, Honey</b> .....	Gleditschia triacanthos.
Purple-leaved.....	Berberis folio-purpurea.	Yellow.....	Robinia pseudacacia.
Japanese.....	Berberis Thunbergi.	<b>Norway Spruce</b> .....	Picea excelsa.
<b>Broom, Scotch</b> .....	Genista scoparia.	<b>Osage Orange</b> .....	Maclura aurantiaca.
<b>Buckthorn</b> .....	Rhamnus cathartica.	<b>Privet, Japan or Calif.</b> ....	Ligustrum japonicum.
<b>Furze, or Gorse</b> .....	Ulex Europæa.	Common Evergreen....	Ligustrum vulgare.
<b>Hawthorn</b> .....	Cratægus oxyacantha.	<b>Sheepberry</b> (Black Haw)	Viburnum prunifolium.

# FLOWER SEEDS

## Practical Directions for Culture, Treatment, etc.

**HARDY ANNUALS (hA).**—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed, or, if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. For sowing seeds in there is nothing better than shallow boxes from 2 to 3 inches deep, and of any convenient size. The most suitable soil for all the smaller kinds is a very fine, rich, sandy loam. That from old hotbeds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years and then mixed with a little old stable manure and sand. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will "damp off." When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. If pots 2 inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings along the edges of the pot, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. When pots cannot be had, boxes, tin cans, etc., may be substituted.

A common mistake in sowing flower, as well as other seeds, is covering too deeply. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Portulacas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open and in September in boxes and placed in coldframes. They will make strong plants by spring and flower early. Do not put on the sashes until heavy rains and frosts begin, and then always remove during the day whenever the temperature is above freezing in winter.

**HARDY BIENNIALS (hB) and PERENNIALS (hP).** These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September; for, if not sown until spring, the seeds of many Perennials require several months, and some even as long as two years before they germinate. In this case, it is a good plan, at the commencement of frost, to cover them lightly with straw, leaves or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out in the spring, remove the covering and loosen the surface around the plants, which when large enough may be transplanted to the flower-garden where they are to remain. The seeds of some species of Hardy Perennials often lie in the ground for six or eight months before germinating, so that patience with them is often unexpectedly rewarded.

**HALF-HARDY ANNUALS (hhA).**—These may be sown in shallow boxes, pots, or a hotbed, as directed for Hardy Annuals. They may be sown thus at any time after the middle of April, as the hotbed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May, sow in the border, like Hardy Annuals.

**HALF-HARDY BIENNIALS (hhB) and HALF-HARDY PERENNIALS (hhP)** require the same treatment. Though plants and their bloom are greatly forwarded by sowing the seeds early in boxes under cover, it may be stated that nearly all kinds of Hardy and Half-Hardy flower seeds may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm; so that those who have no glass frames or greenhouses need not be without flowers. They can have them, but it will be later.

**TENDER ANNUALS, BIENNIALS and PERENNIALS.**—The best method to obtain an early bloom of the Tender Annuals (tA), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The seed should be sown in a very light, sandy compost, and the pots well drained by placing broken pots or bits of sod in the bottom. The finer seeds must not be covered more than an *eighth of an inch deep* and the soil pressed down closely over them. Water frequently, particularly if the house or hotbed is very warm. As soon as the plants are out of the seed-leaf, transplant them into shallow boxes or small pots, and when they have acquired sufficient strength, transplant into the flower-beds; not, however, before the middle of May.

**GREENHOUSE SEEDS (g)** should be sown as directed for Tender Annuals, in pans, pots or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun till strong enough to transplant. Most varieties may be sown at any season of the year.

The smaller seeds of Greenhouse Plants are sometimes difficult to make germinate unless great care be

taken in the mode of sowing. Hence, the supposition arises that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mold or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top so that the mold may not afterward sink materially with watering. Sow the seed very thinly and cover *very lightly* with a little compost or with silver sand. Success is more certain if a pane of glass is placed over the pan or box till the plants have appeared, when it should be removed. By this method the difficulty of starting fine seeds will be removed. As soon as the young plants have two leaves, they should be transplanted into similar compost in another pan or box. To do this, do not pull them out of the seed-pan, but break up the soil by running a stick or trowel under it, when the plants can be taken out with good roots. After transplanting, they should be kept in a shady part of the greenhouse for a few days, and watered very sparingly.

There are many minute plants from the finer seeds killed by drenching with water while very young. One way to avoid this is to give it to them by dipping a clothes-brush in water, shaking off the greater part from the brush, and then (holding the brush over the seed-pan) drawing the hand over the bristles several times; this will cause the water to be thrown on the young plants almost like dew. In the first stage of their existence, plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

**Primula Sinensis.**—Sow the seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the middle of May; the earliest-sown seed will naturally produce the earliest bloom. Cover the seeds about an eighth of an inch, and press the soil on them with a board or the bottom of a pot. Water moderately, avoid forcing the seed, and keep the young plants away from drip. The boxes may be placed in the greenhouse or out-of-doors in a frame. As soon as the plants are well out of the seed-leaf, transplant them singly into 2- or 2½-inch pots, using a light, rich soil. The object now is to make good stocky plants, and they must, therefore, be repotted as often as the pots become tolerably filled with roots, until they are in 5- or 6-inch pots, when they may be allowed to flower. Previous to this, any flower-stalks that appear must be pinched out. In a suitable place, the plants will do better out-of-doors during summer. The plants will bloom continuously during the winter in either the greenhouse or a well-lighted room, not too warm; they should not be moved about often.

**Cineraria**—This is a rather difficult plant to grow if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the greenhouse. For winter blooming, sow in April and May in shallow boxes, in fine soil; drop the seed in shallow drills, cover, and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, but be free from drip; water moderately and carefully. The treatment of seedlings should be similar to that given to *Primula Sinensis*. As soon as the plants are out of the seed-leaf, transplant singly into small pots, in a rich soil with some vegetable mold in it. Repot as often as the pots become moderately filled with roots, or sufficiently often to prevent the roots from becoming pot-bound. If specimen plants are wanted, the repotting should be continued until the plants are in pots from 8 to 10 inches in diameter. The last two pottings should be liberal ones, and drainage well provided for, as the plants will need copious watering. When the flower stalks appear, manure water may be used once or twice a week. Aphis and red spider are to be guarded against; this is best done by frequent syringings or sprinklings overhead. The plants will do best during the summer out-of-doors, in some place where they will not get too much sun, and be free from the drip of trees. In the fall they should be placed in a *cool* greenhouse, where the temperature can be kept low and the air moist.

**Calceolaria.**—The seeds are very small, and should be sown on the surface of shallow boxes filled with a light, sandy soil which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted sphagnum moss, cocoanut waste, or very light soil. Press the soil firmly on the seed. The watering should be done carefully; an atomizer or brush is best. To retain the moisture, the box may be covered with panes of glass, which must be removed as soon as the plants appear, however. The box should have plenty of light, but not much sun. As soon as the plants can be handled, transplant singly into pots 2 to 2½ inches in diameter. The soil should be light and rich, and vegetable mold is an excellent addition. Repot as often as the pots are fairly filled with roots, and continue the repotting, if fine flowers are wanted, till the plants are in 8-inch pots. If the plants become root-bound, they are apt to run prematurely into flower. Water regularly and abundantly to prevent drooping. As larger pots are used, drainage must be supplied to carry off the surplus water. Place in a *cool* greenhouse in the winter, and keep the pots apart to prevent the leaves from touching.

**Pansy.**—For spring blooming, the seed should be sown in August, September and October, in a cold-frame with a southern aspect. Plenty of air and light is essential. During mild weather the sashes should be removed; when it is frosty, coverings are preferable to artificial heat. If wanted for winter bloom, sow in July and transplant in beds or benches near the glass in the greenhouse in a low and even temperature. *The more expensive sorts and mixtures produce the largest and finest flowers.*

**Petunias.**—Fill shallow boxes with fine, light soil, say an even mixture of leaf-mold and sand, and wet thoroughly by pouring on boiling water, which kills insects and heats the soil. When the soil has cooled sufficiently, but is still warm, sow the seeds very thinly in the boxes, so that the plants may be 1 inch apart; cover the seeds very slightly with sifted sand, and place slate or glass on top of the boxes. If the white root-points of germination appear before the leaves, sift on more sand, replace the slate, and watch closely. When the small leaves appear, remove slate and give plenty of light, to produce stocky plants. The soil may now need water, which should be applied very gently. Later, the larger plants may be transplanted into other boxes or pots. As the weakest plants frequently give the finest blossoms, every plant should be preserved until the blossoms appear. *For the magnificent large flowers the more expensive sorts should be ordered.*

# Selected List of Flower Seeds

**Our Complete List of Flower Seeds begins on page 99**

We have unquestionably the largest assortment of flower seeds in America, and our strains are far superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

## ASTER *(Half-hardy Annual)* One of the best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers, sow in March or April in coldframe, spent hotbed or pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and, when the plants have three or four leaves, transplant about 18 inches apart each way into well-prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

### DWARF CHRYSANTHEMUM - FLOWERED.

Grows 10 to 12 inches high; large, chrysanthemum-like flowers.

- 50100 White..... pkt., 10
- 50110 Scarlet..... 10
- 50120 Dark Blue..... 10
- 50124 Light Blue..... 10
- 50130 Carmine..... 10
- 50134 Rose..... 10
- 50140 Mixed..... oz., \$2.50.. 10

### TRUFFAUT'S PÆONY PERFECTION. Grows stiffly erect and about 18 inches tall. Remarkable for the brilliant colors of its great incurved flowers.

- 50180 Amethyst..... pkt., 10
- 50184 Sunbeam. Sulphur-yellow..... 10
- 50190 Snow-White..... 10
- 50194 Apple Blossom..... 10
- 50200 Crimson..... 10
- 50204 Scarlet..... 10
- 50206 Rose..... 10
- 50210 Light Blue..... 10
- 50212 Dark Blue..... 10
- 50214 Blood-Red..... 10
- 50220 Mixed..... oz., \$2.50.. 10

### DWARF NON PLUS ULTRA. Beautiful class; 6 inches high; fine for borders.

- 50260 White..... pkt., 10
- 50264 Rose..... 10
- 50270 Crimson..... 10
- 50274 Dark Blue..... 10
- 50280 Mixed..... oz., \$3.. 10

### VICTORIA, Dwarf. Plants bear from 10 to 20 beautifully reflexed flowers in pyramids about 18 inches high. The best sort for pot culture.

- 50320 White..... pkt., 10
- 50324 Rose..... 10
- 50328 Peach Blossom..... 10
- 50330 Light Blue..... 10
- 50334 Dark Blue..... 10
- 50340 Dark Scarlet..... 10
- 50344 Mixed..... oz., \$3.. 10

### VICTORIA, Tall. Large flowers, imbricated petals.

- 50380 White..... pkt., 10
- 50390 Rose..... 10
- 50394 Dark Scarlet..... 10
- 50400 Light Blue..... 10
- 50404 Peach Blossom..... 10
- 50410 Dark Blue..... 10
- 50414 Mixed..... oz., \$3.. 10

### COMET, Half Dwarf. Outer petals wavyly reflexed centering in a whorl of shorter curled and twisted ones; forms flowers of extraordinary size and beauty.

- 50450 Rose..... pkt., 10
- 50454 Carmine..... 10
- 50458 Brick Color..... 10
- 50460 Light Blue..... 10

### Comet, Half-Dwarf, continued

- 50464 Dark Blue..... pkt., 10
- 50470 Snow-White..... 10
- 50474 Peach Blossom..... 10
- 50480 Crimson..... 10
- 50484 Mixed..... oz., \$2.50.. 10
- 50490 Giant White..... 10
- 50494 " Rose..... 10
- 50500 " Light Blue..... 10
- 50504 " Dark Blue..... 10



ASTERS

## ASTER, continued

Comet, Giant, continued		Branching continued	
50510	Giant Crimson.....pkt., 10	50710	Peach Blossom.....pkt. 10
50514	“ Sulphur-Yellow..... 10	50712	Shell-Pink..... 10
50520	“ Mixed.....oz., \$2.50.. 10	50714	White..... 10
<b>QUEEN OF THE MARKET.</b> The best early Aster. Of graceful, spreading habit. Height, 1½ ft.		50716	Pink..... 10
50560	White.....pkt., 10	50718	Flesh Pink..... 10
50564	Violet-Red..... 10	50720	Dark Blue..... 10
50570	Crimson..... 10	50724	Lavender..... 10
50574	Scarlet..... 10	50726	Lilac..... 10
50580	Rose..... 10	50730	Mixed.....oz., \$2.. 10
50584	Dark Blue..... 10	<b>OSTRICH PLUME.</b> Splendid class; fine for cutting.	
50590	Light Blue..... 10	50820	Dark Blue.....pkt., 10
50600	Mixed.....oz., \$2.. 10	50830	White..... 10
<b>BALL, or JEWEL.</b> Flowers long-stemmed, quite round; desirable for cutting. Dwarf; free-flowering.		50840	Rose..... 10
50640	White.....pkt., 10	50850	Mixed.....oz., \$2.50.. 10
50644	Apple Blossom..... 10	<b>HOHENZOLLERN.</b> Valuable for cutting.	
50650	Crimson..... 10	50900	White.....pkt., 10
50654	Dark Blue..... 10	50910	Rose..... 10
50660	Light Blue..... 10	50920	Azure-Blue..... 10
50664	Mixed.....oz., \$3.. 10	50930	Mixed.....oz., \$2.50.. 10
<b>BRANCHING.</b> Forms broad bushes, with large, long-petaled flowers, graceful and feathery in effect.		<b>RAY.</b> Fine for cutting.	
50700	Rose.....pkt., 10	51010	White, 51020 Rose, 50130 Blue... each, pkt., 10
50702	Deep Rose-Pink..... 10	<b>CHRISTMAS TREE.</b> Very fine class.	
50704	Crimson..... 10	51040	White.....pkt., 10
50706	Indigo-Blue..... 10	51044	Crimson..... 10
50708	Azure-Blue..... 10	51050	Rose..... 10
		51060	Blue..... 10
		51070	Mixed.....oz., \$3.. 10

## VARIOUS ASTERS

51130	Mignon. Pure white.....pkt., 10	51190	Triumph. White.....pkt., 10
51140	“ Dark blue..... 10	51200	Snowball. Pure White..... 10
51150	“ Crimson..... 10	51214	Waldensee. Rose..... 10
51160	Lady Aster ( <i>Lady in white</i> ). Pure white. 10	51220	Mixed German Quilled.....oz., 75c... 5
51170	Triumph. Scarlet..... 10	51230	Mixed Globe-flowered..... 10

## Collections of Choice Asters

These collections are put up by the famous German Aster-growers, and they contain only seed saved from the very finest plants. In each collection the colors are separate, the collection of 24 Victoria Prize, for instance, containing one packet each of 24 separate and distinct colors of that class.

51300	24 Victoria Prize.....\$1 50	51480	6 Pyramidal Dwarf Bouquet.....\$0 40
51310	18 “ “.....I 25	51490	6 Comet..... 45
51320	12 “ “..... 90	51494	12 “ “..... 80
51330	6 “ “..... 50	51500	12 Giant Comet.....I 00
51340	24 Truffaut's Perfection.....I 25	51510	8 “ “..... 75
51350	18 “ “.....I 00	51520	6 “ “..... 50
51360	12 “ “..... 75	51540	6 Princess..... 60
51370	6 “ “..... 45	51550	12 Large Rose-flowered..... 75
51380	6 Branching..... 40	51560	6 “ “..... 45
51420	18 Dwarf Chrysanthemum-flowered.....I 00	51570	6 Dwarf Queen..... 50
51430	12 “ “..... 75	51580	12 Imbricated Pompon..... 75
51440	6 “ “..... 50	51590	6 “ “..... 50
51460	12 Pyramidal Dwarf Bouquet..... 75	51610	6 Ball, or Jewel..... 50
51470	8 “ “..... 50		

## AGERATUM

For strengthening the garden's color forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perillas, etc., the rose, white and blue sorts are exceedingly attractive, when mingled with alyssum, candytuft, and similar plants. They grow well almost anywhere. The dwarf, blue sorts make fine borders. Sow under glass early in the season, or, later, outdoors, in a mellow seed-bed. Seeds sown in August will produce good plants for winter flowering.

	Oz.	Pkt.
52200	Conspicuum. This and the next are tender perennials; sow early; flowers white; 1 ft..	\$0 10
52210	Lasseauxi. Rose-colored clusters; 1 ft.....	10
52220	Mexicanum (hA). Blue. Parent stock of the hardy annuals below; 1½ ft.....	\$0 40 5
52230	“ album. White; 1½ ft.....	50 5
52240	“ Dwarf Blue. 9 in., fine for edgings.....	40 5
52250	“ White. Pretty for contrast; 9 in.; fine for edgings.....	40 5
52260	“ Imperial Dwarf Blue. Excellent for edgings; 9 in.....	50 5
52270	“ “ “ White. Excellent for edgings; 9 in.....	50 5

**AGERATUM, continued**

		Oz.	Pkt.
52280	<b>Mexicanum, Little Dorrit.</b> Azure-blue. Plants 6 inches high, 1 foot across.....	\$0 75	\$0 10
52290	“ <b>Little Blue Star.</b> Bright blue flowers; fine for carpet-bedding; 5 in....		25
52300	“ <b>Swanley Blue.</b> A fine large-flowered sort; 1 ft.....	50	5
52310	“ <b>Blue Perfection.</b> A very fine dwarf; 9 in.; splendid.....	75	10
52320	“ <b>Princess Victoria Louise.</b> Dwarf light blue; white center.....	75	10
52326	“ <b>capella.</b> Rose-chamois flowers in large clusters; entirely distinct from all other varieties. Dwarf and compact in habit, growing only 9 in. high.		20
52330	“ <b>Mixed.</b> All annual varieties.....	30	5

**ALYSSUM**

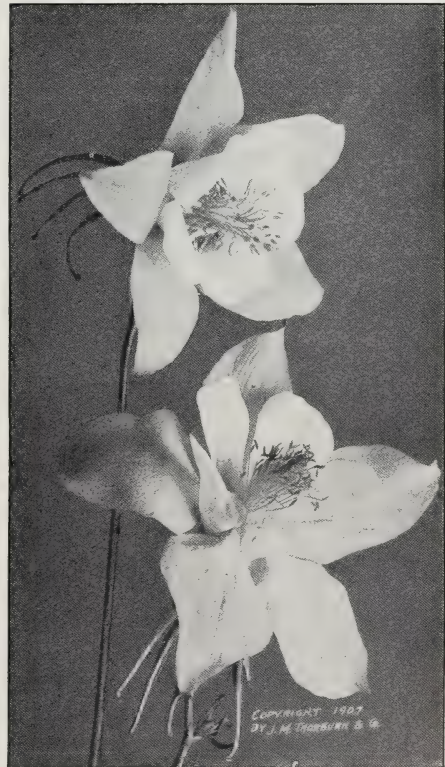
For borders, baskets, pots, rockwork and for cutting. In borders, sow thickly, so as to form masses, early in spring or even the previous autumn. For winter bloom, sow late in August, and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

		Oz.	Pkt.
52500	<b>Maritimum</b> ( <i>Sweet Alyssum</i> ). (hA). Fragrant white flowers all summer.....	\$0 35	\$0 05
52510	“ <b>compactum, Little Gem.</b> Grows erect; 6 in.....	60	10
52520	“ <b>Thorburn's Bouquet.</b> Is very dwarf and compact; best for pots and borders; 3 in.....	2 00	15
52530	“ <b>procumbens, White Carpet.</b> Of trailing habit; flowers profusely.....	40	5
52540	<b>saxatile compactum</b> ( <i>Gold Dust</i> ). (hP). Single plants easily cover a square foot in a year and produce many hundreds of bright yellow flower-heads. Grayish foliage; 1 ft.	40	5
52550	<b>argenteum.</b> Similar to the above, but dwarfer; 6 in.....	50	10

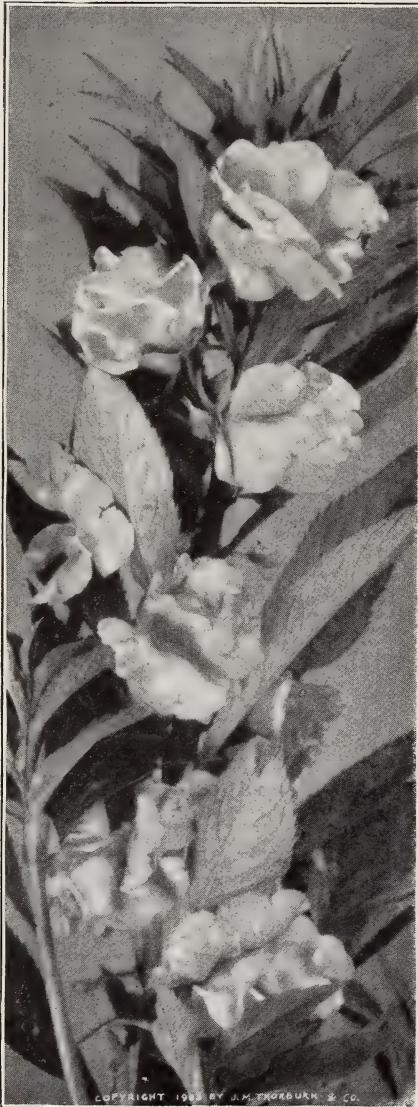
**AQUILEGIA (Columbine)** (*Hardy Perennial*)

A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is quite hardy, useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. May also be sown in the fall for flowering the following season. They thrive well with ordinary garden culture, but such rare sorts as *A. cœrulea* and *A. chrysantha* do best in partially shaded, well drained nooks. Few hardy perennials are so easily grown from seed.

52900	<b>Canadensis.</b> Scarlet and yellow; very fine. pkt.	10
52910	<b>caryophylloides.</b> Oddly striped with red and white; 1½ ft.	15
52920	<b>chrysantha.</b> Golden yellow; flowers large, long-spurred; 3 ft.	10
52930	<b>cœrulea</b> ( <i>Rocky Mountain Blue Columbine</i> ). One of the most beautiful of our native flowers. Sepals deep blue, petals white; 3 ft.	15
52940	“ <b>hybrida.</b> Large-flowered, long-spurred hybrids.	15
52960	<b>Jætschaui.</b> Large-flowered yellow; long, red spurs.	10
52970	<b>flabellata nana alba.</b> White flowers; early; 1 ft.	10
52980	<b>glandulosa vera.</b> One of the handsomest hardy perennials in cultivation; stems 2 feet high, with sometimes 50 to 80 blossoms over 3 inches in diameter, of the deepest blue, with pure white corolla; a splendid flower.	25
52990	<b>truncata.</b> Dwarf; scarlet and yellow; 1 ft.	25
53000	<b>Skinneri</b> ( <i>Mexican Columbine</i> ). Very handsome and quite distinct; spurs and sepals long, crimson and light green; 3 ft.	25
53010	<b>Long-spurred Hybrids, Mrs. Scott Elliott's Strain.</b> Magnificent Hybrids.	25
53020	<b>vulgaris, Double White.</b> Showy and lasting; 2 ft.	10
53030	“ “ <b>Mixed.</b> Best colors.	5
53040	“ <b>Single Mixed.</b> Many good sorts.	5
53070	<b>Collection of Aquilegia, including 12 choice varieties.</b>	60



AQUILEGIA



DOUBLE BALSAM

**BALSAM** (*Impatiens Balsamina*)  
hhA

A native of India, the garden Balsam loves hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 inches of space each way. For the finest flowers, choice seed is more than usually essential. We offer only the finest *double* sorts, most carefully selected.

		Oz.	Pkt.
53400	<b>Double White</b> .....	\$0 70	\$0 10
53410	“ <b>Peach Blossom</b> .....	70	10
53420	“ <b>Carmine</b> .....	70	10
53430	“ <b>Lavender</b> .....	70	10
53440	“ <b>Rose</b> .....	70	10
53450	“ <b>Bright Scarlet</b> .....	70	10
53460	“ <b>Red, Spotted White</b> .....	70	10
53480	“ <b>Pale Yellow</b> .....	70	10
53490	<b>Camellia-flowered White</b> . Flowers of extra size, double and full-centered, with reflexed petals.....	1 00	10
53500	<b>Camellia-flowered Mixed</b> . Best colors...	75	10
53510	<b>Finest Double Mixed</b> .....	60	10
<b>Collections of Balsams, including—</b>			
53550	6 varieties Improved Camellia-flowered...		40
53560	12 varieties Double Rose-flowered.....		65
53570	6 “ “ “.....		35

**CALENDULA**

Hardy annuals about a foot high. The seed may be sown in the open ground early in spring, and the plants will bloom early in summer, and continue until late in autumn. The flowers exhibit every shade of yellow from ivory to deep orange, are produced in great profusion, and are strongly effective in beds, borders or backgrounds. The dried flowers are sometimes used for flavoring soups and stews.

		Oz.	Pkt.
54200	<b>officinalis</b> ( <i>Pot Marigold</i> ). Rich orange.	\$0 20	\$0 05
54210	“ <b>grandiflora</b> . Large-flowered...	25	5
54220	“ “ <b>sulphurea</b> . Light yellow; large-flowered.....	25	5
54230	“ <b>Nankeen</b> . A rich, soft shade..	25	5
54240	“ <b>Meteor</b> . Creamy center, edged with orange.....	25	5
54250	“ <b>Prince of Orange</b> . Glittering orange and yellow.....	25	5
54260	“ <b>ranunculoides</b> ( <i>Garden Marigold</i> ). Double flowers.....	25	5
54270	“ <b>pluvialis</b> ( <i>Cape Marigold</i> ). White or ivory.....	25	5
54280	<b>officinalis Pongei fl. pl.</b> Handsome, double white flowers.....	30	5

See also *Marigold*, pages 80 and 81

**CALLIOPSIS**

This annual is another of the garden's great forces in yellow, strengthened with rich red-maroons and browns. Sow in the open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting.

		Oz.	Pkt.
54310	<b>bicolor</b> ( <i>tinctoria</i> ). Yellow-brown. 2 feet.....	\$0 30	\$0 05
54320	“ <b>nana radiata</b> ( <i>Ray of Gold</i> ). 6 to 8 in. Golden yellow flowers with dark purplish brown centers. Profuse bloomer.....	50	10
54330	“ <b>nana marmorata</b> . Maroon and gold; 1½ ft.....	30	5
54350	<b>hybrida superba</b> . Very showy hybrids in great variety.....	50	10
54360	<b>coronata</b> . Yellow; very fine; 1½ ft.....	30	5
54370	<b>cardaminifolia</b> . Red and yellow; 1½ ft.....	30	5
54380	<b>Drummondii</b> ( <i>Golden Wave</i> ). Gold and brown; 1 ft.....	30	5
54400	<b>bicolor hybrida fl. pl.</b> Mixed; 1 ft.....	30	5
54410	<b>Mixed Annual Sorts</b> .....	25	5
54450	<b>Collection of Calliopsis</b> , including 10 varieties.....		40



**COREOPSIS**

- 54560 **grandiflora** (hP). Large flowers Oz. Pkt.  
of rich yellow; 2 ft. .... \$0 50 \$0 10
- 54570 **lanceolata grandiflora** (hP). Large  
golden yellow flowers; fine for  
cutting..... 75 10
- 54580 **California Sunbeams** (hP). Flowers  
very large, in a great variety of  
beautiful forms and various shades  
of yellow and brown; 1 ft. .... 50 10

**CAMPANULA**

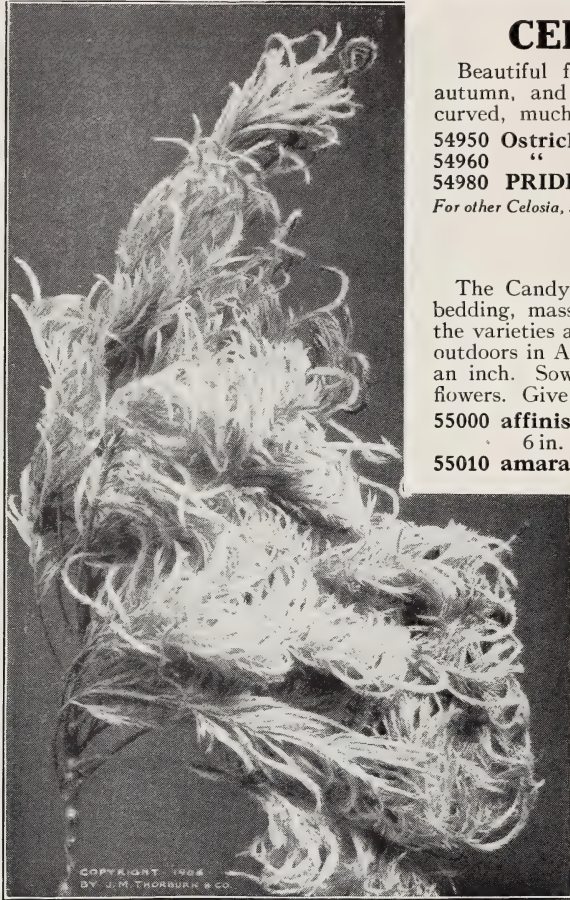
(*Canterbury Bells*)

These fine old plants are rich in color, profuse in bloom, and of easy culture. For outdoor effects, when planted in quantity, they are glorious, and finest full-bloom specimens of such varieties as *C. calycanthema* can be transplanted to pots for house decoration by soaking the soil about them with water and lifting with a ball of earth. Sow seed of biennials outdoors early in July and thin or transplant to temporary quarters until October. Transplant, then, 6 or 8 inches apart, in a coldframe, where they will make large plants by spring. They are as easily cared for as pansies. The old practice of covering Canterbury Bells with leaves through winter is not satisfactory. Transplant in spring, 18 to 20 inches apart, in beds where they are to bloom. In June and July they flower most profusely, and are in fine form a long time. They also make beautiful pot-plants for Easter. If sown early in good soil, the hardy perennials will bloom early the next year. All the varieties like a rich, sandy soil with good drainage.



CAMPANULA

- 54600 **Carpatica** (hP). Deep blue; 6 in. Oz. Pkt.  
For rockeries, beds and edgings. \$0 50 \$0 10
- 54610 **Carpatica alba**. Flowers white; 6 in. .... \$0 50 \$0 10
- 54630 **Medium Blue** (*Canterbury Bells*). (hB). Blooms first year if sown early; 2 ft. .... 50 10
- 54640 " **White**. Pretty for contrasts. .... 60 10
- 54650 " **Rose** ..... 60 10
- 54660 " **Striped**. Very fine. .... 50 10
- 54670 " **Mixed** ..... 40 5
- 54680 " **Double Blue**. Rich, heavy curious flowers through summer and fall ..... 10 10
- 54690 " **Double White**. Waxy appearance. .... 10 10
- 54700 " **Double Rose** ..... 15 10
- 54710 " **Double Mixed** ..... 10 10
- 54720 " **calycanthema** (*Cup and Saucer*) (hB). Blue; symmetrical; often has 35 to 40  
flowers open at the same time on a single plant. For pots or borders. 2 ft. .... 10 10
- 54730 " **calycanthema alba**. A white-flowered variety of the above. .... 10 10
- 54740 " **calycanthema Mixed**. Shades of blue and white. .... 10 10
- 54750 " **Prize Mixture** of all colors, and Single and Double Calycanthema; unequalled. 1 25 15
- 54760 **amabilis** (hP). Light blue flowers, nearly 2 inches in diameter. On stems 2 to 3 feet high. 25 25
- 54764 **glomerata acaulis** (hP). Beautiful dark blue flowers. Fine for pots and for rockwork.  
July and August. .... 20 10
- 54770 **macrostyla**. Large, lovely violet flowers; 3 ft. Hardy annual. .... 15 10
- 54780 **Loreyi, Blue**. Very pretty hardy annual. .... 10 10
- 54790 **nobilis alba**. White; semi-double; 2½ ft. June. Hardy biennial. .... 25 10
- 54800 **persicifolia grandiflora**, Blue (hP). Hardy perennials, with superb, large flowers; for  
finest effects plant the blue and white varieties together;  
2 to 4 ft.; June and July. .... 25 25
- 54810 " " **alba**. A white-flowered variety of the above. .... 25 25
- 54820 " " **Fine Mixed** ..... 25 25
- 54830 **pyramidalis** (*Chimney Bellflower*) (hhP). Spikes 3 to 4 ft. tall, erect, pyramidal; flowers  
large and of a beautiful blue; blooms in late summer and autumn. .... 80 10
- 54840 " **alba**. White. .... 80 10
- 54850 **grandiflora Mariesii** (hP). A fine dwarf dark blue variety, growing 1 foot high. .... 10 10
- 54860 " " **macranthum** (hP). Dwarf habit; rarely exceeds 3 feet in height;  
bright blue flowers 3 to 5 inches across; lives eight to ten years. .... 10 10
- 54870 **Vidali** (gP). White; very floriferous. 2 ft. .... 15 10
- 54900 **Collection of Campanula**, including 12 varieties choicest perennial sorts. .... 75 10



CELOSIA, OSTRICH FEATHER

## CELOSIA PLUMOSA (LA)

Beautiful foliage plants blooming in late summer and autumn, and producing large, showy plumes, curled and curved, much resembling ostrich feathers. See illustration.

54950 **Ostrich Feather, Crimson**..... pkt., 10  
54960 " " **Orange**..... 10

54980 **PRIDE OF CASTLE GOULD.** See Novelties... 25  
For other *Celosia*, see page 103, and for *Cockscomb* (*Celosia cristata*), see page 74

## CANDYTUFT (Iberis)

The Candytufts are among our best flowers for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely.

55000 **affinis, Dwarf** (hA). Neat and pretty bedder; 6 in. ....oz., 25c., pkt. 5

55010 **amara** (hA). White; 1 ft. ....oz., 25c. 5

55020 **coronaria** (*Rocket Candytuft*) (hA). Of candelabra form; flowers in upright spikes.....oz., 25c... 5

55030 **coronaria, Empress.** White. 1 ft. oz., 25c... 5

55040 **coronaria, Little Prince.** Very large heads of pure white flowers. Fine for border and pots; 6 in.... oz., 75c... 10

55050 **coronaria, Giant Hyacinth-flowered.** White....oz., 50c.. 10

55060 **odorata** (hA). Small, white, fragrant flowers.....oz., 20c... 5

55070 **umbellata** (hA). Purple; 1 ft. oz., 25c... 5

55080 " **carnea.** Flesh-colored; 1 ft. ....oz., 50c... 10

55090 " **Dunnetti.** Dark crimson; 1 ft...oz. 25c.. 5

- 55100 **umbellata lilacina.** Lilac; 1 ft.... 5
- 55110 " **carminea.** Bright carmine; 1 ft. ....oz., 60c... 10
- 55120 " **Queen of Italy.** Dwarf, erect; fine pink flowers; 6 in. ....oz., 50c... 10
- 55130 " **Dwarf Hybrids.** Mixed colors; 6 in. ....oz., 75c... 10
- 55140 **Mixed Annual Sorts.** ....oz., 20c... 5
- 55160 **Collection of Candytuft.** 6 varieties choicest annual sorts ..... 30

**PERENNIAL CANDYTUFT.** Hardy, evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

55170 **Sempervirens.** White flowers remain fresh nearly a month; 1 ft. ....pkt. 15

55180 **Gibraltarica.** Beautiful blush-white; 1 ft. .... 15

55190 **semperflorens.** A handsome, but somewhat delicate evergreen perennial, with large pure white sweet-scented flowers. Not suitable for border culture, though hardy enough to stand our winters when grown at the foot of a south wall or in a very sunny corner of the rock-garden.. 15



CANDYTUFT.



# CARNATION

(*Dianthus Caryophyllus*)

The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or later in the open ground, the plants will flower finely the second summer. For largest, richest flowers, we recommend culture in pots of rich soil. With many they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With tall varieties, staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year. *The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.*

**MARGARET CARNATIONS** are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced in five months from sowing. For masses of bloom, few plants are finer; they are also very suitable for pots. Grown as annuals from seed sown every spring, they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chabaud Garden of Carnations, Provence, France.

- 55310 **Margaret, Double White.** Large, perfect flowers; 1½ ft..... pkt., 10
- 55320 “ “ **Yellow.** A clear, soft shade; 1½ ft..... 25
- 55330 “ “ **Tall Mixed.** 2 ft..... oz., \$1. 10
- 55340 “ “ **Half Dwarf Mixed.** 1½ ft..... oz., \$1.25.. 10
- 55350 **Giant Margaret.** Extra large and perfect flowering, in a rich variety of colors, including yellow; 80 per cent of the flowers generally come double; 1 ft..... 25

**PERPETUAL CARNATIONS.** This race has large, elegantly formed flowers, continually abloom upon closely branched, symmetrical plants, often called, from their neat habit, “Tree Carnations.”

- 55380 **Chabaud Perpetual Double.** Mixed, yellow, red, white, etc.; 1½ ft. Blooms in 7 mos. pkt., 25
- 55390 “ “ **Choicest Mixed.**..... 25
- 55400 **Dwarf Perpetual (Tige de Fer).** Real iron stem. 1 ft..... 50
- 55410 **Marie Chabaud.** Pure canary-yellow; the most beautiful and most fragrant yellow..... 50
- 55420 **Comtesse de Paris.** Very dwarf; yellow; comes true from seed..... 50
- 55430 **Jeanne Dionis.** Enormous flowers of the purest white and most perfect form..... 50
- 55440 **Sparkling (Etincelant).** Bright, glittering red of surpassing richness..... 50
- 55450 **Giant Perpetual White.** Very large, perfectly double; flowers in seven months after sowing... 50
- 55460 “ “ **Yellow.** Eighty per cent comes true to color; creamy to golden yellow..... 50
- 55470 “ “ **Red.** Beautiful shade; large flowers..... 50
- 55480 “ “ **Fine Mixed.** Enormous flowers, perfectly double; splendid colors..... 50



CENTAUREA

**CARNATIONS, continued**  
**BORDER CARNATIONS, ETC.**

- We invite attention to the splendid collection below—
- 55510 **Red Grenadine, Double**  
Brilliant scarlet; 2 ft. . . . . pkt., 25
  - 55520 **Enfant de Nice (Improved Giant-flowered)**.  
All colors. Flowers in six months from seed. . . . . 25
  - 55530 **Early Dwarf Vienna, Double Mixed**. Fine for garden culture and for cutting; 1 ft. . . . . 10
  - 55540 **Early Dwarf Vienna, Double White**. Very fine; always comes true white. . . . . 10
  - 55544 **Fine Double Mixed Variegated**. Splendid mixture. . . . . 15
  - 55550 **Fine Double Mixed**. Many colors. 2 ft. . . . . 10
  - 55560 **Double Mixed**. Oz. \$1.25 . . . . . 5

**Choice Collections of Carnations**

- 55620 50 varieties. . . . . \$3 00
- 55630 25 varieties. . . . . 1 50
- 55640 18 varieties. . . . . 1 25
- 55650 12 varieties. . . . . 1 00
- 55660 6 varieties. . . . . 65

**CENTAUREA**

*C. Cyanus*, the popular Cornflower is also known as "Blue Bottle," "Ragged Sailor," "Kaiser Blumen," and, sometimes, as "Bachelor's Button." These are bright-flowered plants of hardiest nature and simplest culture, yet among the most attractive and graceful of all the old-fashioned flowers.

- PERENNIAL FLOWERING.** A dry, sandy soil of moderate fertility seems to suit them best.
- 55800 **macrocephala**. Flower-heads large, showy, bright yellow; 3 ft. . . . . \$0 75 \$0 10
- PERENNIAL SILVER-LEAVED.** These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; height 1 ft.; half-hardy.
- 55810 **candidissima**. . . . . I 25 10
  - 55820 **Clementei**. . . . . I 00 10
  - 55830 **gymnocarpa**. . . . . 75 10
- HARDY ANNUALS.** Flower finest in full sun and thin soil. Sow in open ground in spring.
- 55840 **Americana**. Large, lilac-purple flowers; bushy plants; very fine. . . . . 60 10
  - 55850 **imperialis, White**. } Very large-  
55860 " **Lilac**. } flowered { . . . . . 80 10  
55870 " **Yellow**. } hardy { . . . . . 80 10  
55880 " **Mixed**. } class. { . . . . . 75 10
  - 55890 **odorata, Chameleon**. Yellow and rose; fragrant; superb. . . . . 10 10
  - 55900 " **Margaritæ**. Pure white, 2½ inches across, lacinated and scented; forms stocky, well-budded little bushes. 1½ ft. . . . . I 00 10
  - 55910 **moschata (Purple Sweet Sultan)**. . . . . 30 5
  - 55920 " **alba (White Sweet Sultan)**. . . . . 40 5
  - 55930 " **Mixed (Mixed Sweet Sultan)**. . . . . 30 5
  - 55940 **suaveolens (Yellow Sweet Sultan)**. Fine. . . . . 40 5
  - 55950 **Cyanus (Cornflower)**. Blue. . . . . 25 5
  - 55960 " **Emperor William**. Blue; 1½ ft. . . . . 25 5
  - 55970 " **Rose**. Distinct shade; 1½ ft. . . . . 25 5
  - 55980 " **Victoria, Dwarf Compact**. 9 in.; for pots and edgings; azure-blue. . . . . 60 10
  - 56000 " **Mixed**. . . . . 25 5
  - 56010 " **Double Mixed**. . . . . 30 5
  - 56020 " **Mixed Dwarf Hybrids**. Fine. . . . . 60 10
  - 56060 **Collection of 6 varieties of C. Cyanus (Cornflower)**. . . . . 25

# CHRYSANTHEMUM

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 or 10 inches apart. A little pinching back in early growth makes the plants bushy and shapely. All are fine for cut-flowers. Average height, 1 to 1½ ft. For the magnificent large-flowered sorts, the more expensive packets should be ordered.

	Oz.	Pkt.
56200 <b>Coronarum, Double White</b> .....	\$0 30	\$0 05
56210 " " <b>Yellow</b> . The flowers are perfect bosses of gold.....	30	5
56220 " " <b>sulphureum</b> . Pale yellow.....	30	5
56230 " " <b>imbricatum, Yellow</b> .....	60	10
56240 " " <b>Mixed</b> . Yellow, white, etc.....	30	5
56250 <b>Tricolor, White</b> . <i>Tricolor</i> sorts have beautiful rings and eyes of color.....	40	5
56260 " <b>Yellow</b> .....	40	5
56270 " <b>Scarlet</b> . Dark and rich.....	40	5
56280 " <b>Golden Feather</b> . Foliage rich yellow; flowers bright red and white.....	50	10
56290 " <b>Eclipse</b> . Yellow, with velvety brown band.....	50	10
56300 " <b>Burridgeanum</b> . Crimson-maroon, with white edge and inner circle.....	40	5
56310 " <b>Northern Star</b> . Giant white flowers, with black centers.....		10
56320 " <b>Mixed, Single</b> . All colors.....	40	5
56330 " <b>Double Golden, (Dunnetti)</b> . Fine.....	75	10
56340 " <b>Double White (Dunnetti)</b> .....	60	10
56350 " " <b>hybridum, Mixed (Dunnetti)</b> .....	85	10
56360 " " <b>Golden-leaved Sorts</b> . A mixture of beautiful yellow-leaved sorts; flowers of various bright, vivid colors.....	1 00	10
56370 " <b>Single and Double Mixed</b> .....	50	10
56380 " <b>Double, Mixed</b> .....oz., 8oc., pkt. 10		
56390 <b>multicaule</b> . An exceptionally fine little bedder; flowers yellow; 3 in.....		5
56400 <b>segetum, Morning Star</b> . Large yellow flowers; excellent for cutting.....		10
56404 " <b>White Star</b> . Beautiful large white flowers with dark centers.....		15
56410 " <b>Helios, Evening Star</b> . Fine for cutting; pure golden yellow flowers of gigantic size.....		10
56420 <b>inodorum, Double</b> . Pretty white flowers fine for cutting; 1 ft.....		10
56440 <b>frutescens (Paris Daisy, or Marguerite) (hP)</b> . Beautiful for cutting and pot culture; long-stemmed single white flowers, with golden centers.....oz., 60c....		10
56480 <b>Collections, including 12 varieties Chrysanthemum, Annual</b> .....		50
56490 <b>Collections, including 6 varieties Chrysanthemum, Annual</b> .....		30
<b>PERENNIAL VARIETIES.</b> This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemums described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties expecting them to yield the grand show flowers of late fall which are obtained from cuttings carefully cultivated. For ordinary culture and room decoration, plants pinched back to form a number of branches, and holding from five to ten flowers, are satisfactory. Average height of show kinds, 3 feet.		
56550 <b>Indicum, Double</b> . Will produce superb flowers of different types and colors... pkt., 25		
56560 " <b>Pompon</b> . The pretty hardy dwarfs, with bright clustered flowers; 1½ ft.....		25
56570 <b>Japonicum fl. pl. From Finest Flowers</b> . An extra-choice mixture.....		25



ANNUAL CHRYSANTHEMUMS

## CLARKIA

One of the prettiest and showiest of hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging-baskets, for vases and as edging plants. Sow outdoors in early spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1½ ft.

elegans—			Oz.	Pkt.	pulchella—			Oz.	Pkt.
56800	rosea.	Rose.....	\$0 50	\$0 05	56860	rosea.	Rose.....	\$0 30	\$0 05
56810	"	Double. Rose.....	65	10	56870	alba.	White.....	30	5
56820	alba,	Double. White.....	65	10	56880	marginata.	White-edged....	40	10
56830	Single	Mixed.....	50	5	56890	White Tom Thumb	.....	40	10
56840	Double	Mixed.....	65	5	56900	Mixed.....	.....	30	5
56850	Double	and Single Mixed... 65		5					



COSMOS.

57742	Mammoth Perfection,	Conchita.	Crimson.....	\$0 50	\$0 10
57744	"	"	Erlinda. White.....	50	10
57746	"	"	Rosita. Pink.....	50	10
57748	"	"	Mixed.....	40	10
57750	Klondyke.	Orange-colored.....	1 25	10	
57760	Tints of Dawn.	Handsome, white flowers slightly tinged with rose.....	75	10	
57770	Marguerite.	Petals deeply and irregularly fringed; in various bright colors.....	75	10	
57780	Striped.	Charming and distinct; large white centers, and petals deeply striped white..	1 00	15	

## COSMOS

One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage-setting of feathery green. It is most effective when planted in broad masses, or long background borders against ever-greens or fences. From seed started early in the house or frame, the plants will flower profusely in late June or early July. If topped when half-grown, they will bloom quicker, the check seeming to induce earlier flowering. We offer only the choice large-flowering strains. To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy, or poor soil, in a sunny situation.

**57680 EXTRA EARLY FLOWERING, MIXED.** Earliest of all. This new strain will produce flowers in July from seed sown in the open ground in May. Grows 4 ft. tall. .oz. \$1. .pkt. 15

**57700 Lady Lenox.** Lovely large, shell-pink flowers of great substance.....oz. 50c., pkt. 10c.

## COCKSCOMB (*Celosia cristata*. hhA)

We prize and plant the Cockscomb as an odd and picturesque decorative feature of the garden. The bright red and crimson varieties are most effective, both in gardens and in winter bouquets, for which they are cut before fully ripe and dried in the house. The dwarf varieties make novel and attractive borders; the tall ones form striking groups. Transplanting into rich soil about the time the combs begin to form makes the flower-heads much larger. They are bright from midsummer until frost.

57850	Glasgow Prize.	Dark leaves and crimson combs; 1 ft.....	pkt.	10
57860	Dwarf Bright Red.	A miniature plant, with enormous combs of intense bright red.....	10	10
57870	"	Dark Yellow. Yellow combs.....	10	10
57874	"	Light Yellow.....	10	10
57880	"	White. White combs.....	10	10
57890	"	Crimson.....	10	10
57900	Mixed.	Extra-large combs.....oz., 80c....	10	10

For *Celosia plumosa*, see page 70, and for other sorts, see page 103

## DAISY

(*Bellis perennis*, etc. hP)

These favorite perennials may be sown in February or March in shallow boxes of light rich soil, covering the seeds to about three times their own thickness and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf, transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September; protect with straw or litter over winter, and transplant to their permanent position in the spring.

	Oz.	Pkt.
58400 <b>Double White (Snowball)</b> .....	\$2 50	\$0 10
58410 " <b>Red</b> .....	2 50	10
58420 " <b>Rose (Longfellow)</b> .....	2 50	10
58440 " <b>Mixed. Very fine</b> .....	2 50	10
58444 " <b>maxima alba. Extra large. White</b> .....		15
58448 " " <b>rubra. Extra large. Red</b> .....		15
58450 " " <b>Mixed. Extra large</b> .....	3 50	15
58480 <b>Shasta Daisy. Very large; white, single flowers</b> on long stems.....	2 00	10

## DELPHINIUM (Larkspur)

In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers can be seen from a long distance and are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. Ordinarily, the tall sorts are planted among shrubbery, or as a background for dwarfs, which are favorites for bedding. Improvements are continually being made in the size of the flowers, as well as in the length and fullness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. They are sometimes increased by division, but are much more robust when grown from seed. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug, and well enriched with fine old manure, their blooms are the finest. They must have plenty of room to grow; 1½ to 2 feet each way is not too much for the taller sorts.

**ANNUAL VARIETIES.** These include the Rocket and Hyacinth-flowered, so called from their long, narrow flower-spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in spring or fall, preferably the latter, so that germination may take place very early in the spring. As the seedlings grow, thin them to stand 6 to 18 inches apart, according to variety. The shades of color include light, dark and azure-blue, white, buff, rose, apple-blossom, pink, brick-red, red-lilac, dark lilac, violet and fawn. The varieties are seldom kept separate, as they are quite as pretty and convenient for cutting when sown in mixture. Some of these are really hardy biennials, but, because they bloom the first season, we treat them as hardy annuals.

58600 <b>Ajaxis Dwarf Rocket. Finest colors; beautiful</b>	Oz.	Pkt.	
for bedding; 1 ft.....	\$0 30	\$0 05	
58610 " <b>Tall Rocket. Long, showy spikes; 2 ft</b> .....	30	5	
58620 " <b>Ranunculus-flowered. Double; colors fine;</b>			
2 ft.....	30	5	
58630 " <b>Tall Branching. Choice mixed; 2 ft</b> .....	\$0 30	\$0 05	
58640 <b>cardiopetalum. Beautiful blue flowers; 1 ft</b> .....	30	05	
58650 <b>Emperor, Branching Rose. This and the next are splendidly bright and showy, often</b>			
giving 40 to 50 erect spikes of flowers; 2 ft.....	65	10	
58660 " <b>Branching White. Beautiful for cutting</b> .....	65	10	
58664 " <b>Branching Mixed</b> .....	60	10	
58670 <b>Newport Rose. A rose-colored and very beautiful free-flowering sort. If sown outdoors</b>			
in spring, it will bloom by first of August; 2 ft.....	60	10	

**PERENNIAL VARIETIES.** These are usually taller than the annuals, requiring more space between the plants. If sown in the fall or very early spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

58680 <b>Barlowi. Large, dark blue flowers; extra fine</b> .....	pkt.,	25
58690 <b>Brunonianum. Lovely blue, musk-scented flowers; very distinct; 3 ft</b> .....		25
58700 <b>cardinale. Orange-scarlet. A California native; 2 ft</b> .....		20
58710 <b>Cashmerianum. Spreading, many branched; flowers often 2 inches wide; deep purplish</b> blue; 3 ft.....		25



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DELPHINIUM

**DELPHINIUM, continued**

- 58720 **Chinense, Mixed** (*C. grandiflorum*). Large flowers, ranging from pure white to indigo-blue. Young seedlings will bloom from midsummer until frost; 2 ft. .... pkt., 10
- 58730 " **azureum**. Beautiful, distinct shade of blue; 2 ft. .... oz., 75c... 10
- 58740 **elatum, Blue** (*Bee Larkspur*). Soft, clear blue flowers in tall spikes; 3 ft. .... oz., 75c... 10
- 58750 " **hybridum, Finest Mixed**. Very showy. .... oz., 60c... 10
- 58760 **formosum**. Brilliant blue, white center; especially fine and attractive; 3 ft. .... 20
- 58770 " **coelestinum**. Sky-blue; handsome; true. .... 20
- 58780 **hybridum fl. pl.** Finest double and semi-double sorts in choice colors; a superb mixture; 3 ft. 20
- 58790 " **Burbank's**. Wonderful blue shades; splendid sorts; giant-flowered. .... 25
- 58800 **nudicaule**. The only pure bright scarlet. Dwarf and compact in growth, with flower-stems of fine length; 1 ft. A native of California. .... 30
- 58810 **Zalil (sulphureum)**. Very beautiful, hardy perennial, with long spikes of yellow flowers. .... 30

**Collections of Delphinium**

- 58840 12 varieties Dwarf Rocket ..... \$0 50
- 58850 6 " " " ..... 30
- 58860 10 " Tall Rocket ..... 50
- 58870 6 " " " ..... 30
- 58880 6 " Emperor ..... 30
- 58890 6 " Ranunculus-flowered ..... 30
- 58900 8 " Tall Branching ..... 50
- 58910 6 " " " ..... 40
- 58920 6 " Hybridum, Finest Double ..... 75

**ESCHSCHOLTZIA**

(Commonly called California Poppy)

The state flower of California. An annual, very bright and rich in its pure tints of yellow and orange. The plants average about a foot in height, with silvery foliage, and produce their large, poppy-like flowers from early spring until frost. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thin and lightly raked in. These sowings may be made early in spring or late in autumn for earlier germination, blooming the next spring. Useful as a pot-plant and for cut-flowers.

- 59350 **THORBURNI**. Coppery orange; very large flowers; finest of all. .... pkt., 10
- 59360 **Californica**. Rich yellow. .... oz., 30c... 5
- 59370 " **alba**. Creamy white. oz. 35c... 5
- 59372 " " **fl. pl.** Fine sort, with double creamy white flowers. .... 10
- 59374 " **Burbank's Crimson-flowering**. Crimson. .... 10
- 59380 " **Carmine King**. Carmine-rose; beautiful. .... oz. 75c... 10
- 59384 " **Rose Cardinal**. Carmine-rose. .... oz. 50c... 10
- 59400 **crocea**. Pure deep orange. .... oz., 25c... 5
- 59410 " **Double Orange**. .... oz., 30c... 5
- 59420 " **Double White**. .... oz., 40c... 5
- 59424 **aurantiaca fl. pl.** Double orange. .... 5
- 59430 " **Single Orange**. .... 5
- 59444 **maritima**. Canary-yellow, with orange center; leaves grayish and beautifully cut. .... 5
- 59450 **maritima, Golden West**. A superb variety with very large flowers of deep yellow; 2 ft. .... oz., 40c... 5
- 59460 **Douglasii**. Very pretty yellow variety from California. .... 5
- 59470 **tenuifolia**. Bright yellow; leaves dense and finely cut; 1 ft. .... 5
- 59490 **Mandarin**. Red-gold flowers, orange within and scarlet without. .... oz., 40c... 10
- 59500 **Mixed**. Many sorts. .... oz., 25c... 5



GAILLARDIA GRANDIFLORA (see page 77)

**FORGET-ME-NOT** (*Myosotis*)

These dainty, elegant little flowers are hardy perennials that love cool, moist soils, and, like pansies, bloom most freely in fall and early spring. They make beautiful, close borders, or edgings, thickly sprinkled with pretty flower-sprays, and will bloom nicely in winter in a cool room or coldframe. Once at home in a garden, they establish themselves by self-seeding. Sow in spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second. Average height, 6 ins.



**FORGET-ME-NOT, continued**

59700	<i>Myosotis alpestris</i> .	A pretty trailer, with blue flowers.	oz., 60c...pkt., 10
59710	“ “	<b>Indigo-Blue.</b> Like the above, but with indigo-blue flowers.	oz., \$1... 15
59720	“ “	<b>rosea.</b> Rosy flowers; pretty contrast with blues and whites.	oz., 75c... 10
59730	“ “	<b>alba.</b> White; pretty...	oz., 75c... 10
59740	“ “	<b>elegantissima.</b> Blue; leaves white-edged; very attractive.	oz., \$1... 10
59750	“ “	<b>nana coerulea.</b> Very dwarf; compact; sky-blue.	15
59760	“ “	<b>robusta grandiflora (Eliza Fonerbert).</b> Grown extensively for cutting. Large sky-blue florets with yellow eye, in large clusters.	oz., 75c... 10
59770	“ “	<b>Victoria.</b> Strong-growing; dwarf habit; flowers large, globular, sky-blue, abundant; fine for pots and for cutting.	15
59780	“ “	<b>Mixed</b>	oz., 60c... 10
59790	<b>hybridus, Star of Love.</b>	A distinct, dwarf variety, with large, beautiful blue flowers	25
59794	“ <b>Ruth Fischer.</b>	Pure Forget-Me-Not blue. See <i>Novelties</i> .	25
59800	<b>Azorica.</b>	Dark blue, with white eye; 1 ft.	25
59810	“ <b>coelestina.</b>	Beautiful light blue; 1 ft.	25
59820	<b>dissitiflora.</b>	Blooms very early; flowers blue.	25
59830	<b>palustris (True Forget-me-not).</b>	Blooms the second year abundantly all season.	10
59840	<b>sylvatica.</b>	Blue, with yellow eye; likes dry soil; 1 to 2 ft.	10



FOXGLOVE

**FOXGLOVE**

(*Digitalis*)

The tall flower-spikes of the Foxgloves, often 2 to 3 feet long, are particularly handsome when grown among shrubbery, or in bold masses. Used as a background for lower plants, they are very fine. Seed may be sown outdoors in spring and the seedlings transplanted where they are to grow, or, preferably, to a coldframe, where they make extra-strong plants, that will flower in magnificent spikes the next season. They are most satisfactory when treated as biennials, sowing the seed every year in rich, deep soil and partial shade. Average height, 2 to 3 feet. When the center spike begins to fade it should be cut out and the side shoots will grow more vigorously.

60000	<b>Purple.</b> Best known	oz., 30c...pkt., 5
60010	<b>White.</b> Fine and attractive	oz., 50c... 5
60020	<b>Yellow, Large-flowered.</b> Long racemes of bell-shaped blossoms. Dwarf	oz., 40c... 5
60030	<b>Rose</b>	oz., 50c... 5
60040	<b>Mixed</b>	oz., 30c... 5
60050	<b>gloxinoides, White.</b> Very handsome gloxinia-like flowers; robust; beautiful for cutting.	10
60060	“ <b>Purple</b>	10
60070	“ <b>Rose.</b> Bright and showy	10
60080	“ <b>Mixed.</b> All the choice colors	oz., 60c... 10
60090	<b>maculata superba.</b> Splendid spotted strain	oz., 75c... 10
60100	<b>monstrosa, Splendid Mixed.</b> Very large, bell-shaped flowers of exquisite beauty, borne on long spikes; 4 ft.	10
60140	Collection including 12 varieties of <b>Foxglove.</b>	50

**GAILLARDIA**

(*Blanket Flower*)

Showy and free bloomers, flowering profusely all summer. They are good bedders; fine for bouquets and for house decoration. They do best in a good light soil and in an open sunny situation.

60250	<b>Amblyodon (hA).</b> Fine red	pkt., 5
60260	<b>grandiflora maxima (hP).</b> Golden yellow. Flowers first season if sown early; 2½ ft.	oz., 60c... 10
60280	“ <b>Extra-fine Mixed (hP).</b>	oz., 40c... 10

## GAILLARDIA, continued

60284	<i>grandiflora</i>	semi-plena Mixed (hP).	Superb; very large-flowering varieties.....	pkt., 15
60290	<i>picta</i>	(hA).	Red and yellow.....	oz., 25c... 5
60300	<i>Lorenziana</i> .	Double mixed.....	oz., 40c... 5	
60310	"	<i>Salmonea</i> .	Salmon-red; fine.....	oz., 30c... 5
60314	"	"The Bride."	A splendid new variety producing very double pure white flowers, borne on long stems, making it an ideal plant either for bedding or for cutting.....	30
60320	"	Mixed.....	oz., 25c... 5	
60350	Collection,	including best 6 annual varieties.....		25



DOUBLE HOLLYHOCK

## GODETIA

Choice, free-blooming annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, for pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand about a foot apart in rather thin soil. *Fine for cut-flowers*. Average height, 1½ ft.

60800	<i>Rosamond</i> .	Large, glossy pink.	pkt., 10
60810	<i>Princess of Wales</i> .	Dark crimson...	5
60820	<i>Lady Satin Rose</i> .	Bright carmine...	5
60830	<i>Fairy Queen</i> .	Large, white flowers, with carmine spots.....	5
60840	<i>gloriosa</i> .	Darkest red; dwarf.....	5
60850	<i>grandiflora maculata</i> .	Great white flowers, blotched with carmine.....	5
60854	<i>rubicunda splendens</i> .	Brilliant red; fine.....	5
60860	<i>White Pearl</i> .	Beautiful glossy white.	5
60870	<i>The Bride</i> .	White, with blush spots.	5
60880	<i>Duchess of Albany</i> .	Satiny white...	5
60890	<i>Lady Albemarle</i> .	Dark crimson...	5
60900	<i>Lady Albemarle compacta</i> (Dwarf)	Dark crimson.....	10
60910	<i>Lindleyana</i> .	White and red.....	5
60920	<i>Bijou</i> .	Of dwarf, bushy habit; lovely blush color.....	5
60930	<i>Whitneyi</i> .	Compact; superb, rosy flowers, blotched crimson; elegant pot-plant.....	5
60940	<i>Whitneyi Brilliant</i> .	Carmine; very showy.....	5
60950	Mixed, Tall Varieties.....	oz., 30c... 5	
60960	Mixed, Dwarf Varieties.....	oz., 40c... 5	
60990	Collection of Godetias, including 6 choice varieties.....		25

## DOUBLE HOLLYHOCK

(*Althaea rosea*)

These stately, old-fashioned perennials are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and, in their turn, form a very fine background for plants of lower growth. Their color variety is wonderful, ranging from pure white through almost every conceivable shade of yellow, red and rose to ashen gray and almost black. Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final trans-

**DOUBLE HOLLYHOCK, continued**

planting, give each seedling a foot or more space each way for development. Average height, 4 feet. Our seed is of magnificent, double varieties, grown from Chater's celebrated collection, which has revolutionized the popular estimation of the Hollyhock.

	Oz.	Pkt.		Oz.	Pkt.
61850 Apricot.....	\$2 00	\$0 10	61930 Sulphur-Yellow.....	\$2 00	\$0 10
61860 Bright Pink.....	2 00	10	61940 Lilac.....	2 00	10
61870 Flesh-Color.....	2 00	10	61960 Light Rose.....	2 00	10
61900 Cherry.....	2 00	10	61980 Maroon.....	2 00	10
61910 Canary-Yellow.....	2 00	10	61990 Salmon.....	2 00	10
61914 Golden Yellow.....	2 00	10	62000 Bright Scarlet.....	2 00	10
61920 Blood-Red.....	2 00	10	62010 Snow-White.....	2 00	10
62030 Hybrid Annual Everblooming Double and Single Mixed. Flowers the first season from seed.....			62020 Mixed Allegheny Fringed.....	2 00	10
62034 rosea nigra, Single-Flowered. Color almost black.....				1 50	10
62040 Mixed Double.....				30	5
62050 " Single.....				1 50	10
Choice Collection, Chater's Superb, including—				50	5
62090 12 varieties Double Hollyhocks.....					1 00
62100 8 " " ".....					65
62110 6 " " ".....					50

**IPOMOEA**

(Moonflower. Morning-Glory. Cypress Vine.)

Of all our climbers for garden and greenhouse, these are the quickest and most luxuriant in growth. Ipomoeas grow so easily from annual sowings that it is no longer thought necessary to winter-over roots or young cutting plants under glass. The large, horny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds or pots and boxes under glass, and transplant to rich, deep soil in summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

\*These are very hard-seeded, and, in order to hasten germination, a notch should be filed in the seed before planting.

**ANNUAL VARIETIES.** From early sowings, these begin to bloom in June and July, and are full of beautiful flowers all the season, often blooming freely until cut down by frost.

62350 coccinea. Scarlet flowers; 10 ft.....	oz., 25c.	pkt., 5
62360 " lutea. A yellow-flowered variety.....	oz., 25c.	5
Imperial Japanese. See Japanese Morning-Glory, page 81.		
62370 hederacea grandiflora superba. Rich sky-blue flowers with white margins; 15 ft.....	oz., 40c.	5
62380 " " " fol. marmoratis, Mixed.....	oz., 40c.	5
62390 Nil grandiflora. Light blue; 15 ft.....		5
62400 limbata. Violet and white; 5 ft.....	oz., 25c.	5
62410 *Mexicana grandiflora alba. The great white Moonflower; 15 ft. ....	oz., 85c.	10
62420 * " " hybrida alba. Flowers very large and numerous; 15 ft.....	oz., 75c.	10
62430 *bona nox (Good Night, or Evening Glory). Large, blue flowers open in the evening; 15 ft. ....	oz., 30c.	5
62440 Heavenly Blue (rubro coerulea). The very large clustered flowers of beautiful sky-blue open early in the morning. Unusually distinct and handsome; 10 ft. Sow early.....	oz., 75c.	10
62444 rubro-coerulea alba. White; 8 ft.....	oz., 75c.	10
62450 Quamoclit (Cypress Vine; Star Flower). A tender annual, with finely cut leaves and small, star-shaped flowers. This, the type, is scarlet-flowered; 10 ft.....	oz., 30c.	5
62460 " White.....	oz., 30c.	5
62470 " Kerberi. Fine scarlet-flower, blooms late.....	oz., 40c.	10
62480 " Mixed Cypress Vine.....	oz., 30c.	5
62490 Ivy-leaved Cypress Vine. Pretty leaves, deeply lobed; fiery orange-scarlet flowers.....	oz., 40c.	5
62530 Collection, including 12 varieties. Annual sorts.....		50

**GREENHOUSE CLIMBERS.** These handsome vines grow nicely in open ground, but bloom almost too late to be very useful there, in all except warm climates. Grown in pots, tubs, or greenhouse beds, they flower grandly between October and spring.

62550 Horsfalliae. A superb West Indian species of vigorous growth. The rich, thick leafage is beautiful; the flowers a deep glossy rose-purple; 15 ft.....	pkt., 25
62560 Learii. Quick, strong grower, sometimes succeeding well outdoors. Flowers violet-blue; 15 ft. ....	10
62590 setosa (Brazilian Morning-Glory). This vine makes an immense, thick growth of great lobed leaves lighted by a profusion of large rosy flowers, with a satiny pink star in the centers. The red pubescent stems and seed-pods add to its attractiveness. 10 to 20 ft.....	5

## KOCHIA (Summer Cypress)

A splendid ornamental annual, growing 2 to 2½ feet high. The slender-leaved plants are of a cypress-like appearance during summer, changing their light green foliage to carmine and fiery red colorings toward autumn. Forms beautifully decorative bushes on the lawn.

62650 *trichophylla*. An improved strain of *K. scoparia*.....oz., 30c...pkt., 10

## LOBELIA

The *Erinus* varieties are charming little plants that bloom very quickly from seed and continue gay with flowers all through the season. For beds, edgings, baskets and pots, there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial, or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping.

### ERINUS VARIETIES (tA)—

- 62950 *gracilis*. Blue; trailing; beautiful for baskets.....pkt., 5
- 62960 *speciosa*. A favorite blue-flowered edging plant; 6 in..... 10
- 62970 *alba*. White flowers..... 5
- 62980 *kermesina*. Crimson..... 10
- 62990 *Lindleyana*. Rose; white eye..... 10
- 63000 *Paxtoniana*. Blue and white..... 10
- 63010 *Barnard's Perpetual*. Deep blue, with white eye; very fine..... 15
- 63020 *Royal Purple*. Deep blue, with a distinct white eye..... 10
- 63030 *Mixed (gracilis)*.....oz., 60c... 5
- 63040 *erecta, Crystal Palace compacta*. Dark blue; for bedding; 6 in..... 20
- 63050 " *Emperor William*. Light blue; very fine..... 15
- 63060 " *Golden Queen*. Dwarf; blue flowers, yellow leaves; very fine sort..... 20
- 63070 " *White Lady*. Splendid large-flowered white..... 10
- 63100 *Collections, including 12 varieties Lobelia*..... 60
- 63110 " " 6 " " ..... 35

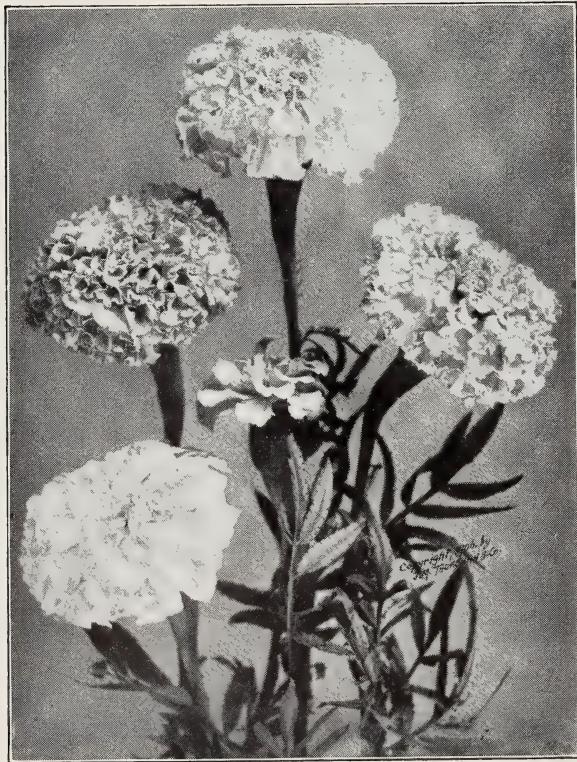
### PERENNIAL, or TALL VARIETIES—

63140 *cardinalis (Cardinal Flower)*. Long spikes of richest cardinal-red ..... 10

63150 *cardinalis (fulgens), Queen Victoria*. Brilliant scarlet, dark leaves; striking and beautiful... 30

63160 *ramosa*. Blue; flowers profusely in fall; height 1 ft..... 10

63300 *tupa (Devil's Tobacco)*. A splendid perennial plant producing in great abundance curious beaked scarlet flowers about 2½ in. long. It resembles in some respects a gigantic *L. cardinalis*. It grows to a height of 8 to 10 ft..... 10



MARIGOLD

## MARIGOLD

(*Tagetes*)

These, like the *Calendulas*, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1½ to 2 ft. *All our own special strains, vastly different from the ordinary sorts commonly sold.*

### African—

63500 *Orange*. Rich orange color.....oz., 50c., .pkt., 5

63510 *Eldorado*. Large, quilled perfectly double; brilliant shades of yellow.....oz., 50c... 10

63520 *Pride of the Garden*. Extra-large, double flowers of richest yellow; dwarf and neat...oz., 50c... 10

**MARIGOLD, continued**

63530	Delight of the Garden.	Dwarf; large-flowered; lemon-yellow; double.....	oz., 75c...	10
63540	Lemon Queen.	Very rich lemon-yellow.....	oz., 50c...	10
63550	Prince of Orange.	Beautiful orange color.....	oz., 50c...	10
63560	Mixed Double.....		oz., 40c...	5
63570	French, Tall Dark Brown.	Reddish brown; extremely floriferous; 1 ft.....	oz., 50c... pkt.	10
63580	“ Dwarf Striped.	Flowers handsomely marked; 1½ ft.....	oz., 50c...	10
63590	“ “ Gold-Striped.	Rich and quaintly striped double flowers.....	oz., 50c...	10
63600	“ “ Dark Brown.	Beautiful reddish brown.....	oz., 50c...	10
63610	“ “ Legion of Honor (Little Brownie).	Single golden yellow blooms, marked with velvety red.....	oz., 60c...	10
63620	“ Tall Mixed, Double.....		oz., 40c...	5
63630	“ Dwarf Mixed Double.....		oz., 40c...	5
Collections, including—				
63670	12 varieties	Double French.....		60
63680	6 “ “ “	.....		40
63690	6 “ “ “	African.....		40

See also *Calendula*, page 68

**MIGNONETTE**

(*Reseda odorata*. h.A.)

Seed of this popular annual can be sown at any time, and if successive sowings are made, its fragrant, modest colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants.

63850	<i>Reseda odorata grandiflora</i> .	Sweet.....	Oz. \$0 25	Pkt. \$0 05
63860	Crimson Giant ( <i>ameliorata</i> ).	Red-flowered	30	5
63870	Golden Queen.	Golden yellow.....	50	10
63880	Paris Market (Crimson Queen).	Crimson.	60	10
63890	Machet Dwarf.	Deep red.....	60	10
63900	Machet, Golden.....		75	10
63910	Bismarck.	Improved Machet.....	80	10
63920	Gabrielle.	Large red; 9 in.....	60	10
63930	Goliath.	Red; enormous spikes; striking.....	\$1 50	\$0 15
63940	Victoria.	Compact brilliant red; 6 in.....	50	10
63950	Miles' Spiral.	1 ft.....	30	5
63960	Giant Pyramidal.	1½ ft.....	50	10
63970	Diamond.	Pure white flowers; extra fine.....	60	10
63980	Allen's Defiance.	Spikes of great length; very fragrant and fine for cutting; 1½ ft.....	50	10
63990	Ruby (Rubin).	Very fine strain of the Machet, with coppery scarlet flowers.....	80	10
64000	Parsons' White.	White and buff; 9 in.....	50	10
64010	White Pearl (Machet).	The best white variety.....	1 50	15
64020	<i>grandiflora</i> .	New hybrids. Fine for bouquets.....	60	10
64040	Collection, including 12 varieties	<i>Mignonette</i> .....		60



MIGNONETTE

**IMPERIAL JAPANESE MORNING-GLORY**

The leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade to almost black. Vines vigorous, growing rapidly to a height of 10 or 20 feet, and their foliage is spangled with hundreds of large and lovely flowers.

64100	Finest Single Mixed.	Large-flowered; all colors.....	oz., 20c... pkt.	5
64110	Fringed Single Mixed.	All beautifully fringed.....	oz., 40c...	5
64120	Double-flowered Mixed.	Superb mixture of double sorts.....		15
64130	Giant "Mikado."	The largest-flowered.....		10







## PANSY *(Viola tricolor. Heart's-ease. hA)*

*Our strains have never been excelled*

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding, the seed is sown from August to October, in a coldframe, or in rich, moist garden beds, from which the plants can be transferred to a coldframe, setting them 2 to 3 inches apart each way before severe winter weather begins. In spring, three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For winter blooming in a frame, set the plants about twice as far apart, and thin out half of them in the spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather, remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often winter nicely and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for fall. If they come into bloom in the heat of the summer, the flowers may be small at first, but as the weather becomes cooler, they will increase in size and beauty. Through summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings give the finest flowers. *The higher-priced sorts produce the largest flowers. This should be borne in mind when ordering.*

66000 Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms.....	Oz. \$5 00	Pkt. \$0 25
66010 Bugnot Superb Blotched. An exceedingly large, three-blotched strain, with upper petals finely lined; great diversity of finest colors.....	4 00	25
66020 Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.....	4 00	25
66030 Masterpiece. Curled, wavy petals; splendid colors; distinct.....	2 00	15
66040 Madame Perret. A splendid giant-flowered strain, comprising all shades of red from light rose to dark purple, some of them finely striped.....	1 50	15
66044 Odier, Cassier and Bugnot, Mixed. An extremely rich, large-flowered mixture....	4 00	25
66050 Giant Orchid-flowered Mixed. A splendid and quite distinct race showing remarkable combinations of all colors, including shades of chamois, terra-cotta, pink, orange, etc.	2 50	25
66054 Non Plus Ultra. A very rich mixture largely made up of Cassier and Trimardeau varieties.....	3 00	25
66060 Parisienne Mixed. Handsome, large-flowering strain.....	2 00	15

SEE GENERAL LIST OF FLOWER SEEDS ON PAGES 99 TO 119



PANSY, continued

	Oz.	Pkt.
66070 <b>Fine Large English.</b> All colors mixed.....	\$1 50	\$0 10
66080 <b>Mixed.</b> Ordinary strain.....	75	5
66090 <b>Azure-Blue.</b> Very fine color.....	1 25	10
66100 <b>Black-Blue.</b> Dark velvety.....	1 25	10
66110 <b>Black</b> ( <i>Faust; King of the Blacks</i> ). Almost coal-black.....	1 25	10
66120 <b>Bronze.</b> Golden bronze.....	1 50	10
66124 <b>Brunot.</b> Beautiful sky-blue. Fine pure shade.....	1 50	10
66130 <b>Cardinal.</b> Brilliant red; very fine.....	1 50	10
66134 <b>Cassier rubrum, Blotched.</b> Showy large-blotched flowers.....	2 50	25
66140 <b>Coquette de Poissy.</b> Distinct mauve, shading to white on the petals.....	1 25	10
66150 <b>Dark Purple.</b> .....	1 25	10
66160 " <b>Silver-edged.</b> Margins pure white.....	1 50	10
66170 <b>Emperor William.</b> Splendid; ultramarine-blue; very showy.....	1 25	10
66180 <b>Fairy Queen.</b> Light blue, with white border.....	1 25	10
66190 <b>Fawn Color</b> ( <i>Prince Bismarck</i> ). Quaint and pretty.....	1 25	10
66200 <b>Fire King.</b> Golden yellow, upper petals purple.....	1 25	10
66210 <b>Gold-margined.</b> Splendid bright color.....	1 25	10
66220 <b>Golden Queen.</b> Pure yellow.....	1 50	10
66230 <b>Light Blue.</b> Lovely sky-blue.....	1 25	10
66240 <b>Lord Beaconsfield.</b> Deep purple-violet, shading to light blue.....	1 50	10
66250 <b>Meteor.</b> Bright yellow and brown; attractively blotched and margined.....	1 25	10
66260 <b>Odier.</b> Extra large; blotched; rich colors. Show Pansies.....	4 00	25
66290 " Blotched on yellow background.....	4 00	25
66294 " <b>Five Blotched Improved.</b> Extra choice strain.....	3 00	25
66296 <b>Orange</b> ( <i>New</i> ). Very fine.....	2 00	15
66300 <b>Peacock.</b> Large, peacock-blue flowers, edged with white.....	1 25	10
66310 <b>President Carnot.</b> Pure white petals, each with a deep blotch.....	2 00	15
66320 <b>Rainbow, or Pheasant's Eye</b> ( <i>Quadricolor</i> ). Very fine strain.....	1 25	10
66330 <b>Red Riding Hood.</b> Brilliant shades of red.....	1 25	10
66340 <b>Ruby.</b> Splendid strain; richest red shades.....	2 00	15
66350 <b>Snow Queen</b> ( <i>candidissima</i> ). Pure satiny white.....	1 50	10
66360 <b>Tiger.</b> Curiously striped and mottled.....	1 25	10
66370 <b>Victoria.</b> A fine deep solid wine-red.....	1 50	10
66380 <b>White, with Black Center.</b> Very showy.....	1 25	10
66390 <b>Yellow, with Black Center.</b> Splendid.....	1 50	10
66394 <b>Yellow, Maroon-Eye.</b> Large flowers of distinct coloring.....	1 50	10
66410 <b>Tufted Pansies.</b> A splendid strain; small, but very fragrant flowers.....	1 50	15

TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.

66460 <b>Giant White.</b> .....	1 50	15
66470 " <b>Pure Yellow</b> ( <i>Golden Crest</i> ).....	1 50	15
66480 " <b>Bridesmaid.</b> Most beautiful rosy white ground, with dark center blotches.....	2 00	20
66490 " <b>Ruby King.</b> Richest shades of red, scarlet, orange-scarlet and wine-red.....	2 00	20
66500 " <b>Lord Beaconsfield.</b> Lavender and purple.....	2 00	20
66504 " <b>Prince Henry.</b> Darkest blue; splendid.....	2 50	25
66510 " <b>Striped.</b> .....	2 00	20
66514 " <b>Adonis.</b> Light blue. Splendid.....	2 00	20
66520 " <b>Azure-Blue.</b> .....	1 50	15
66524 " <b>Atropurpurea.</b> Dark purple.....	1 50	15
66530 " <b>Black-Blue.</b> .....	1 50	15
66534 " <b>Fire King.</b> Very showy.....	2 00	20
66540 " <b>Hortensia, Red.</b> Splendid.....	1 50	15
66550 " <b>Indigo-Blue.</b> Very rich color.....	1 50	15
66560 " <b>auriculæflora.</b> Beautiful shades.....	1 50	15
66564 " <b>Yellow.</b> Dark center.....	1 50	15
66570 " <b>White, with Dark Eye.</b> .....	2 00	20
66580 " <b>Mixed.</b> .....	1 50	10

Choice Collections of Pansies or Heart's-Ease—

66620 24 varieties.....	\$1 25	66650 8 varieties.....	\$0 60
66630 18 ".....	1 00	66660 6 ".....	50
66640 12 ".....	75	66700 10 " ( <i>Pictorial Pkts.</i> ).....	60

## PETUNIA HYBRIDA (hhA)

Once fairly started, the Petunia grow almost as easily as weeds and furnish a glorious succession of bloom from early summer until frost. The large-flowered strains are very beautiful and of almost endless variety. Seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in hot-bed, coldframe, or in boxes of fine soil in the sunny windows of a warm room in April or May and transplant about 1 foot apart in garden beds. Seed of the double varieties has not so much vitality as that of single sorts and needs a little more care in watering to be sure of germination. We have no better plants

**PETUNIA HYBRIDA, continued**

than the Petunias for beds and masses, borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of brilliant colors. *The highest-priced sorts produce the finest and handsomest flowers, and those we offer are from the most carefully selected strains, saved at great expense. Apparently similar sorts offered at lower prices are not to be compared with those we offer.*



SINGLE PETUNIA

**SINGLE LARGE-FLOWERED.**

These have flowers 4 or more inches across. Our strains are superb, and the collections offered contain only the finest varieties. Average height, 1½ ft.

- 66900 **White.** Clear paper-white flowers of unusual size. . . . . pkt., 25
- 66910 **intus aurea.** Large, yellow-throated, crimson flowers . . . . . 25
- 66920 **Crimson Giant "Midnight."** Great flowers of deepest crimson . . . . . 25
- 66930 **Purple King.** Royal in color and size . . . . . 25
- 66940 **Rose.** A charming shade . . . . . 25
- 66950 **Rainbow.** Of richest colors, with yellow penciled throats . . . . . 50
- 66960 **superbissima.** Grand flowers of various colors with richly tigered throats . . . . . 50
- 66970 **Thorburn Superb Giant.** A strain of surpassing beauty, with extremely large, deep-throated flowers; some exquisitely penciled and elegantly fringed . . . . . 25
- 66980 **Emperor, grandiflora, Mixed.** Very large, wide-open flowers, with distinct colorings and markings. Some of the blossoms have pink stars, some white stars, others are striped . . . . . 25

- 66990 **Superb Single Mixed.** Offers a grand variety of colors . . . . . 25
- 67000 **Good Mixed** . . . . . 10

**FRINGED LARGE-FLOWERING.** These have deeply cut and fluted margins—

- 67010 **White, "Snow Storm."** Finest white . . . . . 25
- 67020 **Crimson.** A very rich color . . . . . 25
- 67030 **Titania.** Beautiful velvety purple flowers with broad white margins . . . . . 25
- 67040 **Ruffled Giants.** Extra-large flowers, beautifully ruffled, fluted and fringed . . . . . 50
- 67050 **Thorburn's Century Prize.** An unrivaled strain of fringed, ruffled, giant-flowered sorts in most beautiful colors. Very valuable . . . . . 50
- 67060 **Perfection Mixed.** Choicest fringed sorts . . . . . 25

**DOUBLE LARGE-FLOWERING.** Our seed will produce flowers large, fragrant, elegantly formed and beautiful either for house, garden, or conservatory. The Double Petunias are great favorites for pot culture in ordinary windows. *Only a small proportion of the double strains bear double flowers. The reason of this is the fact that the seed must be selected from single flowers, the double ones not producing seed. The single flowers must be pollinated with pollen from the double ones.* Cuttings may be made from double-flowered plants and inserted in light, sandy loam for rooting, thus increasing the percentage of double-flowering plants.

- 67070 **Double Mixed Large-flowering.** (250 seeds in pkt.) . . . . . pkt., 50
- 67080 " **Fringed Mixed Perfection.** Flowers large and much beruffled . . . . . 75
- 67090 " " **Lady of the Lake.** Exquisite flowers of finest size and purest white . . . . . 75
- 67100 " " **Heliotrope.** Mauve and heliotrope colorings . . . . . 75
- 67110 " " **Snowball.** A grand pure white; extremely double; extra-large flowers . . . . . 75
- 67120 " " **Crimson.** Gorgeous colors; extra-large flowers . . . . . 75
- 67130 " " **rosea.** Brilliant rose; very showy . . . . . 75

**PETUNIA HYBRIDA, continued**

**SINGLE BEDDING VARIETIES.** Smaller-flowered sorts, found most valuable for beds and masses.

67140	<b>Countess of Ellesmere.</b> Dark rose, with fine white throat.....	oz., 60c.	pkt., 10
67150	<b>Howard's Star.</b> Rich crimson; distinct white star in center.....	oz., \$1.	10
67160	<b>Inimitable Dwarf.</b> Bushy little plants, covered with masses of star-shaped flowers; 5 to 8 in.,		10
67170	<b>venosa.</b> Various colors; beautifully veined.....	oz., 75c.	10
67180	<b>White.</b> Pure white; very fine.....	oz., 75c.	10
67190	<b>Mixed Single.</b> Very fine colors.....	oz., 60c.	5

**Collections of Petunias.** These contain only the finest varieties.

67240	12 varieties Single Large-flowering.....	\$1 25	67280	12 var. Double. Large-flowering.....	\$0 50
67250	6 " " " ".....	75	67290	6 " " " ".....	80
67270	6 " " Double Fringed.....	80			

**PHLOX DRUMMONDII (Flame Flower)**

The annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty, and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given good soil and plenty of water, they furnish a long supply of delicate flowers.

For pot culture, as trailers, and as an undergrowth for tall, bare-stemmed plants, they are also valuable. The first sowings should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly, they suffer from mildew. Cutting away the flowers and seedpods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 foot.

**GRANDIFLORA.** This section has beautiful, round-petaled flowers, larger than in the older sorts; showy and constant. Our strain is far superior to that ordinarily sold.

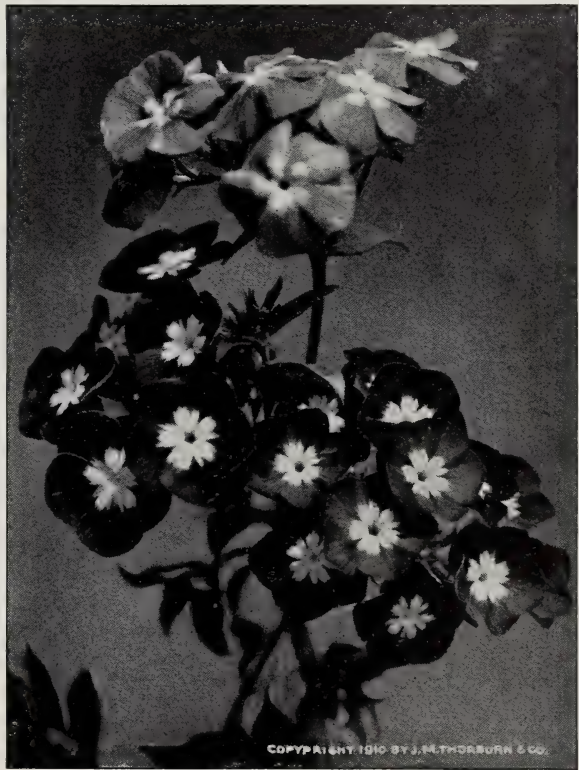
67450	<b>alba.</b> Pure white.....	pkt., 10
67460	<b>alba oculata</b> .....	10
67470	<b>atropurpurea.</b> Dark purple.....	10
67480	<b>Chamois-Rose.</b> A soft shade.....	10
67490	<b>coccinea.</b> Large; brilliant scarlet.....	10
67500	<b>Crimson</b> .....	10
67510	<b>Isabellina.</b> Yellow.....	10
67520	<b>rosea.</b> Rose.....	10
67530	<b>kermesina splendens.</b> Vivid crimson.....	10
67540	<b>stellata splendens.</b> Star-like crimson.....	10
67550	<b>Mixed.</b> Various large-flowering sorts.....	oz., 60c. 5

**SMALL-FLOWERED VARIETIES—**

67580	<b>Heynholdii.</b> Scarlet; fine for pots	10
67584	<b>hortensiaeflora, Mixed.</b> Semi-dwarf; very floriferous.....	10
67590	<b>Radowitzii.</b> Rose, spotted white.	10
67600	<b>Graf Gero, Mixed.</b> Fine for pots.....	10

**DWARF VARIETIES.** Plants of this charming section grow only 6 or 8 inches high, and form dense masses of bloom all summer. They are especially useful for beds, edgings, pots, etc.

67670	<b>Surprise.</b> Brilliant vermilion, with white star center; for groups and edgings.....	pkt., 15
67680	<b>Snowball.</b> Pure white; fine for pots.....	10
67690	<b>Fireball.</b> Bright flame-red. Fine for pots.....	10
67710	<b>Chamois-Rose.</b> Very fine.....	10
67720	<b>grandiflora nana compacta.</b> Cecily Phlox, mixed.....	10
67724	<b>nana compacta hortensifolia.</b> Rose.....	15
67730	<b>Fancy Mixed</b> .....	oz., \$1.50. 10



PHLOX DRUMMONDII

**STAR PHLOX—**

67740	<b>cuspidata (Star of Quedlinburg).</b> Star-shaped; many colors.....	oz., \$1. pkt., 10
	<b>Collection, including—</b>	
67800	12 varieties <b>Phlox Drummondii</b> .....	60

**PERENNIAL PHLOX**

These hardy sorts make bushes about 3 feet high and bear large heads of finely colored flowers.

67840	<b>decussata, Mixed</b> .....	pkt., 10
67860	<b>Large-flowered Hybrids, Mixed</b> .....	25

## PINKS (Dianthus)

In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. If specially large, brilliant flowers are desired, a bed of well-mixed turfy loam, leaf-mold and well-decayed manure should be prepared for them. Average height, 1 foot.

**CHINENSIS** (*China, or Indian Pinks*). The flowers of all are double and showy.

- 68000 **Double White China Pink**..... pkt., 5  
 68010 " **Mixed China Pink**. All best colors..... oz., 40c... 5  
 68020 " **Very Dwarf Mixed** (*Narcisse*)..... oz., 60c... 10

**HEDDEWIGII** (*Japan Pinks*). Unusually large and brilliant; often oddly edged, striped and ringed.

- 68030 **Single Mixed**..... oz., 50c... 5  
 68034 " " **nobilis** (*Royal Pink*). New strain producing very large flowers in brightest colors 10  
 68040 " **Queen of Holland**. Splendid pure white..... 10  
 68050 " **Eastern Queen**. Rose-colored flowers, 2 to 4 inches across; finely striped and stained.. 10  
 68060 " **Crimson Belle**. Flowers large and handsome; dark red..... 10  
 68070 " **The Bride** (*Little Gem*). White, with purple center..... 10

68080 **Double Mixed**..... oz., 90c... 10

68090 " **"Mourning Pink."** Very large, double flowers of blackish crimson, fringed white.... 10

68100 " **"Fireball."** Brilliant scarlet; very compact and floriferous..... 10

68110 **diadematus, fl. pl.** (*Diadem Pink*). Magnificent in color and variety..... 10

68120 **laciniatus, Salmon Queen**. Beautiful rosy salmon; single..... 10

68130 " **Oriental Beauty**. Petals wide, crinkled, richly marked with pink, white, etc..... 10

68140 " **mirabilis fl. pl., Mixed**. Quite distinct narrow foliage; fine for cutting..... 10

68144 **laciniatus, Snowflake**. Pure white; fine ... 10

68150 " **Single Mixed**. Fringed flowers of all colors .....oz., 60c... 10

68160 " **Double Mixed** .....oz., \$1... 10

**IMPERIALIS FL. PL.** (*Double Imperial Pink*). Robust, bushy grower, with large, double flowers.

68170 **Double Mixed**..... oz., 60c... pkt., 10

68180 " **Dark Red**. A deep, rich color..... 10

68190 " **Dwarf White**. Great snowy flowers, 9-inch..... 10

**PLUMARIUS** (*Sweet May Pinks*). These are fine, fragrant, perennials of old-time gardens, still reckoned among the most beautiful for massing and cutting.

68240 **Pheasant's Eye**. Pretty fringed flowers..... pkt. 5

68250 **Scoticus** (*Double Scotch Pink*). A series of exquisite colors; *ours is the finest strain*..... 50

68260 **semperflorens** (*Perpetual Pink*). Double, semi-double and single; of various colors..... 10

68270 **Single Pink, Mixed**...oz., 60c... 10

68280 **Double Dwarf Erfurt, Mixed**. Extra fine..... 25

68290 " **and Semi-Double Grass Pinks**. Pretty flowers of delicate colors..... 15

68294 " **Mixed**..... 10

68300 **Hybrid Dianthus**. A cross between Sweet William and China Pink. Very hardy; beautifully colored and marked; very fragrant..... 10

**Collection of Pinks, including—**

68350 12 varieties Fine China..... 50

68360 8 " " " "..... 40

68370 6 " " " "..... 30



PINKS



SINGLE POPPY

## POPPY (*Papaver*)

Before tulips are fairly gone, our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the earth is cool and moist.

**PERENNIAL VARIETIES.** Tall, large-flowered and showy; average height 2 to 4 feet.

- 68600 **bracteatum.** Scarlet; 3 feet.....oz., 30c...pkt. 5
- 68610 **Orientele.** Enormous flowers of deep, flashing scarlet; entirely hardy anywhere; 3 ft. oz., 75c... 10
- 68614 " **Brilliant.** Vivid scarlet; beautiful.....oz., 75c... 10
- 68620 " **Mixed Hybrids.** Finest shades.....oz., 75c... 10
- 68630 **nudicaule** (*Iceland Poppy*). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 ft.....oz., 80c... 10
- 68640 " **aurantiacum.** Orange. All this class has crimped petals and peculiar grace.oz., 80c... 10
- 68650 " **album.** Pure white.....oz., 80c... 10
- 68660 " **Mixed Iceland Poppies.**.....oz., 75c... 10

**ANNUAL VARIETIES.** This section includes double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 feet.

- 68670 **Thorburn Giant White.** White flowers of grand form and size; 3 to 4 ft.....oz., 40c...pkt., 10
- 68680 **Maid of the Mist.** Pure white, single, very large, deeply fringed; 3 to 4 ft..... 5
- 68690 **Miss Sherwood.** Large, single, satiny white, with upper half of petals chamois-rose; oz., 30c... 5
- 68700 **Mephisto.** Beautifully fringed; varies from red and black to rose and white.....oz., 30c... 5
- 68710 **Flag of Truce.** Pure white; large and showy flowers.....oz., 30c... 5
- 68720 **Shirley.** Indescribably bright, dainty and gauzy; a favorite for cutting.....oz., 50c... 5
- 68730 **Shirley, Santa Rosa Strain.** Beautifully crimped petals; wonderful shades of blue, lavender, and salmon.....oz., \$1... 15
- 68740 **glaucum** (*Tulip Poppy*). Striking tulip-shaped flowers of intensely brilliant scarlet; dwarf..... 10
- 68750 **pavonium** (*Peacock Poppy*). Intense scarlet, with broad bands of purplish black..... 10
- 68760 **umbrosum.** Rich crimson, spotted with black..... 5
- 68770 **lævigatum.** Scarlet, with white marks at petal bases; very showy..... 10
- 68780 **Danebrog.** Large, single, scarlet, with white cross at base of petals..... 5
- 68790 **Mixed Single.** All colors.....oz., 20c... 5
- 68830 **Double White**.....oz., 25c... 5
- 68840 " **Scarlet**.....oz., 25c... 5
- 68850 " **Mikado.** Large, white flowers, attractively fringed with rose.....oz., 25c... 5
- 68860 " **Cardinal.** The immense, scarlet flowers last unusually well..... 5
- 68870 " **American Flag.** White, bordered with scarlet..... 5
- 68874 " **carnation-flowered Dwarf cardinale.** Cardinal; fine..... 10

**POPPY, continued**

68876	Double carnation-flowered Dwarf cardinale hybridum White Swan. Pure white . . . pkt. . .	10
68880	“ “ “ Mixed. Very double, fringed; colors dazzling. . . . . oz., 20c. . .	5
68890	“ Pæony-flowered Dwarf Fireball. Deep scarlet; very large-flowering . . . . .	5
68900	“ “ “ Snowball. Pure white; very large-flowering. . . . .	5
68906	“ “ “ Mixed Hybrids. New hybrids of unusually compact growth; splendid colors. . . . .	10
68910	“ “ “ Mixed. Large, handsome flowers of many colors. . . . . oz., 20c. . .	5
68920	“ Ranunculus-flowered, Mixed. Flowers small, finely formed, double. . . . . oz., 20c. . .	5
68926	“ Mixed, all sorts. . . . .	5
68930	Pæony-flowered, Single White. Used for opium. . . . .	5
Collections of Poppies, including—		
68980	12 varieties Double Carnation-flowered. \$0 40	
68990	12 “ “ Pæony-flowered. . . . . 40	
69000	6 var. Double Dwarf Pæony-flowered. \$0 25	
69010	6 “ Ranunculus-flowered. . . . . 25	



PORTULACAS

**PORTULACA**

This charming little annual is unrivaled for brilliancy among plants of low growth, and has the happy faculty of flourishing under almost all conditions, though hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rock-work, and for filling up irregular spaces or unexpected gaps in the flower-beds. As an undergrowth for taller plants, it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that in the forenoon is hidden by gayest flowers. The seed does not germinate until hot weather, and should be sown late. Beyond the sowing, this plant requires little care. It can be transplanted in full flower. Average height, 6 inches.

**SINGLE VARIETIES.** Each strong plant will cover a space about 2 feet in diameter.

69100	splendens. Crimson. . . . . pkt.,	5
69110	Carnation-striped Rose. . . . .	5
69120	Thellussoni. Scarlet. . . . .	5
69130	albiflora. Pure white. . . . .	5
69140	aurea. Deep golden yellow. . . . .	5
69150	Thorburni. Beautiful bright yellow. . . . .	5
69160	rosea. Rich rose. . . . .	5
69170	Mixed. . . . . Cz., 60c. . .	5

**DOUBLE VARIETIES.** The flowers are so full and perfect as to resemble tiny roses; toward the close of the season they will increase in size and beauty. As the full double flowers do not produce seed, it must be saved from the semi-double flowers growing with the full doubles. The product of that seed will produce many single flowers. As these bloom earlier, they can be pulled out like weeds. When the full doubles appear, cutting can

be made from them and the bed extended indefinitely with only full, double flowers. *Our strains must not be confused with the ordinary cheap seed usually sold.*

69200	Double Rose-striped. . . . . pkt., 20	69260	Double Rose. . . . . pkt., 20
69206	“ Carnation-striped. . . . . 20	69270	“ Golden. . . . . 20
69210	“ Scarlet. . . . . 20	69280	“ Golden, Red-striped. . . . . 20
69220	“ Yellow. . . . . 20	69290	“ White. . . . . 20
69240	“ Bright Red. . . . . 20	69300	“ French White. . . . . 20
69250	“ Salmon. . . . . 20	69310	“ Mixed. Grown from cuttings. . . . .

Collections, including—			
69340	8 varieties Portulaca, Single. . . . .	35	
69350	6 “ “ Double. . . . .	60	oz., \$5. . . 20

**RICINUS**

(Castor-Oil Plant)

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge; the lower-growing, dark-leaved sorts are beautiful for dotting here and there among cannas, scarlet pelargoniums, etc. Tall varieties grow from 8 to 10 feet high, with leaves several feet across and beautifully lobed. Half-hardy annuals.

**RICINUS, continued**

70150 <b>Borboniensis.</b> Violet...oz., 20c...pkt., 5	70220 <b>Philippinensis.</b> Immense leaves; 6 ft.....oz., 25c...pkt., 5
70160 <b>Africanus.</b> Bright colors; 8 ft. oz., 20c... 5	70230 <b>Philippinensis purpureus.</b> Lovely rich purple.....oz., 25c... 5
70170 <b>Gibsoni.</b> Dark red; 5 ft.....oz., 20c... 5	70240 <b>sanguineus.</b> Red stems and seeds; 6 ft. 5
70176 <b>macrocarpus.</b> Deep purple; 5 ft..oz., 20c. 5	70250 <b>Zanzibariensis.</b> Finest mixed; 8 to 10 ft.....oz., 25c... 5
70180 <b>macrophyllus.</b> Dark purple; 6 ft..oz., 20c. 5	70260 <b>Mixed.</b> Fine sorts.....oz., 15c... 5
70190 <b>Cambodgensis.</b> Glistening dark maroon; stems black; 5 ft.....oz., 25c... 5	<b>Collections, including—</b>
70200 <b>hybridus Panormitanus.</b> Cross between Cambodgensis and Zanzibariensis. Huge dark brown leaves, blue-powdered stem. Upright habit...oz., 50c. 10	70290 12 varieties <b>Ricinus</b> , choicest sorts..... 45
	70300 6 " " " " ..... 25

**SALPIGLOSSIS** (*Painted Tongue*)

These showy, half-hardy annuals bear beautiful funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light rich sandy loam and will respond to liberal treatment. They bloom from late summer until frost. No garden should be without them.

70360 <b>Azurea.</b> Blue.....pkt., 10	} All splendid large-flowering sorts
70380 <b>grandiflora coccinea.</b> Scarlet..... 10	
70390 " <b>purpurea carminea.</b> Purplish violet..... 10	
70400 " <b>rosea.</b> Rose..... 10	
70410 " <b>violacea, aureo-venosa.</b> Lilac-veined golden yellow..... 10	
70420 " <b>superbissima Yellow.</b> ..... 15	
70430 " " <b>Chamois</b> ..... 15	
70440 " " <b>Light Blue</b> ..... 15	
70450 " " <b>Brown and Gold</b> ..... 20	
70460 " " <b>(Emperor) Mixed.</b> Finest strain..... 15	
70470 <b>Dwarf Mixed</b> .....oz., 60c...pkt., 10	
70480 <b>Tall Mixed</b> .....oz., 60c... 10	
<b>Collections, including—</b>	
70520 8 vars. <b>Salpiglossis</b> tall large-flowered... 60	
70530 6 " " large-flowered; Superbissima varieties. 65	
70540 8 " " dwarf..... 40	

**SALVIA** (*Flowering Sage*)

The *Salvia splendens* is a standard bedding plant that keeps the garden bright with color until late in autumn. For pot culture, for cutting and for borders, etc., it is very valuable. In this climate, sow seeds in window-boxes or frames in March or April, and set the plants outdoors the latter part of May; or sow outdoors not before June 1, and protect from heavy rains and strong winds. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals.

70600 <b>argentea</b> (hP). Silvery-leaved; flowers white; blooms in spring; 3 ft.....pkt., 5
70604 <b>azurea grandiflora</b> (hP). (Meadow Sage) Sky-blue, blooms in late summer; fine. 20
70610 <b>farinacea</b> (hA). Light blue flowers in great abundance; forms a neat bush. 3 ft. 10
70616 <b>globosa</b> (hB). Produces large white flowers the second year from seed and splendid rosettes of deeply cut silvery gray woolly leaves, 1 1/2 to 1 3/4 ft. long and 10 to 12 inches wide. The globe-shaped inflorescence attains a height of about 3 ft. 20
70620 <b>patens.</b> A handsome tender perennial, with erect spikes of rich blue flowers in summer. 25
70630 <b>Reimeriana</b> (hA). Crimson-flowered; very dwarf and of neat habit..... 10



SALPIGLOSSIS

**SPLENDENS.** These are the well-known bedders, single plants of which carry many long, flaming flower spikes open at one time, keeping up the display until frost.

70640 <b>splendens grandiflora, Scarlet.</b> A rich-flowered bedder; 3 ft.....oz., \$1.75...pkt., 10
70660 " <b>Bonfire.</b> Our well-known compact <i>Salvia</i> —the freest blooming of all, seemingly on fire all the time with dense, flaming scarlet spikes; 2 1/2 ft.....oz., \$2.50... 10

**SALVIA, continued**

70710	<b>splendens, Ball of Fire.</b> Very dwarf and compact variety, especially suitable for pot culture. The plants are about 2 feet high to the top of the flower-spikes and about the same in diameter.....	pkt.	25
70720	“ <b>Lord Fauntleroy.</b> Only 18 inches high; very compact, with flower-spikes standing clear above the foliage. Fine for bedding in masses or for borders around beds of taller plants; also fine for pots. The earliest-flowering of all.....		25
70730	“ <b>Early Dwarf Zurich.</b> Grows only 12 to 15 inches high, with many fine erect spikes to each plant borne well above its handsome foliage. Color brilliant scarlet....		30
70750	“ <b>Scarlet-Pink, White-tipped.</b> New. A decidedly distinct combination of colors extremely odd and striking. The flowers are produced very plentifully on erect stems and are of a delicate shade of scarlet-pink, tipped with white.....		25

**SCABIOSA** (*Mourning Bride, Scabious, etc.*)

Well-established garden favorites. They grow about 2 feet high and commence to flower early in July continuing until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or for borders. Sow seed outdoors in spring when danger from frost is past.

70810	<b>candidissima fl. pl., (Snowball).</b> White.....	pkt.,	5
70830	<b>Black-Purple</b> .....		5
70840	<b>minor aurea fl. pl.</b> Beautiful golden yellow.....		5
70850	<b>caucasica (hP).</b> (Blue Bonnet). Lilac; very valuable for cutting.....		10
70854	“ (hP). Perfecta and fimbriata mixed. Dark blue flowers; fringed and ruffled petals ..		15
70856	<b>atropurpurea maxima.</b> Double mixed.....		10
70860	<b>Mixed Tall</b> .....	oz., 30c.	5
70870	<b>Dwarf Double Mixed</b> .....	oz., 40c.	5
	<b>Collections, including—</b>		
70900	10 varieties Dwarf Double.....		\$0 45
70910	6 “ “ “.....		30
70920	8 “ Tall; large-flowered.....		40
70930	6 “ “ “.....		30

**SNAPDRAGON** (*Antirrhinum*)

The Snapdragon is one of our finest perennials, flowering the first year as annuals. Its bright-colored, curiously formed flowers always excite interest, and among the newer sorts are flowers of a great variety of colors and markings. Their rich spikes are beautiful for cutting, and keep fresh a long time. From seed sown in the open ground, plants will bloom in July and August. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon, like most perennials and biennials which bloom the first year, is treated as an annual and sown every year. Average height, 1½ feet.



SNAPDRAGON

**TALL VARIETIES—**

71000	<b>album.</b> White.....	pkt.,	5
71010	<b>luteum.</b> Yellow.....		5
71200	<b>atrococcineum.</b> Dark scarlet.....		5
71210	<b>Coral-Red.</b> Light scarlet; white throat..		5
71220	<b>Fairy Queen.</b> Golden orange; white throat.....		5
71230	<b>Romeo.</b> Violet-rose, with pale lip.....		5
71240	<b>picturatum, Mixed.</b> Blotched varieties.		5
71244	<b>Mixed</b> .....		5

**TALL LARGE-FLOWERING VARIETIES—**

71250	<b>Delilah.</b> White and carmine.....	pkt.,	10
71260	<b>Galathee.</b> Crimson and white.....		10
71270	<b>Striped.</b> Odd and pretty.....		10
71280	<b>Firefly.</b> Scarlet and white.....		10
71290	<b>White.</b> Beautiful for cutting.....		10
71310	<b>Yellow.</b> A pure soft color.....		10
71320	<b>Queen Victoria.</b> Pure white; superb... ..		10
71330	<b>Large-flowered Mixed.</b> Fine. oz., 60c....		5

**SEMI-DWARF VARIETIES.** Plants of this section make elegant bedders, as they bloom extra profusely and are only about 6 inches high.

71340	<b>Black Prince.</b> Nearly Black.....	pkt.,	10
71360	<b>picturatum.</b> Blotched varieties.....		5
71370	<b>Golden Queen, grandiflora.</b> Yellow... ..		10



**SNAPDRAGON, continued**

- 71380 Queen of the North. Pure white; small-leaved.....pkt., 5
- 71390 Fine Dwarf Mixed.....oz., 50c... 5
- 71400 Tom Thumb Mixed. Very dwarf strain.....oz., 80c... 10
- Collections, including—**
- 71440 12 varieties Snapdragon, Finest Tall... 50
- 71450 6 " " " " " " ... 30

**STOCKS** (*Matiola*)

From the general make-up of the great Stock family, no desirable quality seems to have been omitted. The plants have good habit, fine leaves, beautiful and fragrant flowers in all refined colors, a long season of lavish bloom and vigor and adaptability to many conditions of culture. We find them unsurpassed for bedding, edgings, pot culture, house decoration, and for cutting. For bouquets and floral work, the double white sorts are especially useful. To secure fine early flowers, sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May, transfer to garden beds of deep, rich soil, setting the plants about a foot apart. Transplanting several times in the early stages of growth tends to give them a more dwarf and compact habit. For later flowers, sowings may be made in the open ground in May. If plants that begin to bloom late are carefully lifted and potted in fall, they will flower finely all winter in a house that is tolerably cool and moist. Average height, 1 to 1½ feet.

**GERMAN TEN WEEKS.** These are the favorite half-hardy annuals. Our seeds are saved from the choicest double varieties.

- 71650 Dwarf Snowflake Forcing. Flowers pure white, unusually large and double; extremely early.....pkt., 25
- 71660 Large-flowering Perpetual "Empress Augusta Victoria." Delicate silvery lilac flowers of great substance, on long stems. Of true pyramidal growth, attaining a height of 24 inches..... 25
- 71690 Dresden Perpetual Mixed..... 25
- 71700 "Cut-and-Come-Again." Profuse and perpetual-blooming double white..... 10
- Dwarf Large-flowering.** Long, splendid spikes; large, double.
- 71710 — Chestnut..... 10
- 71720 — White..... 10
- 71730 — Bright Red..... 10
- 71734 — Brilliant Yellow. Rose border.... 10
- 71740 — Canary-Yellow..... 10
- 71750 — Crimson..... 10
- 71760 — Blood-Red. Very rich..... 10
- 71770 — Carmine..... 10
- 71780 — Rose. Very dainty..... 10
- 71784 — Lavender..... 10
- 71790 — Light Blue. Exquisite..... 10
- 71800 — Dark Blue. Beautiful..... 10
- 71810 — Violet..... 10
- 71814 — Violet-Purple..... 10
- 71820 — Shining Purple-Carmine..... 10
- 71824 — Large-flowering Brilliant Rose.. 10



STOCKS

- 71830 Dwarf Chamois.....pkt., 10
- 71840 — —Flesh Color, "Souvenir de Nice" 10
- 71850 — —Violet, "Souvenir de Nice"..... 10
- 71860 — —Yellow, "Souvenir de Nice"..... 10
- 71870 — —Mixed.....oz., \$3.50... 10
- Giant Perfection.** Tall, handsome; spikes large, flowers rose-like.
- 71880 — —White. 1½ to 2 ft..... 25
- 71890 — —Mixed.....oz. \$2.50.. 10
- 71904 Giant Nice "Abundance." Carmine-rose. Of dwarf branching habit. Flowers in great abundance. 50 to 60 per cent of them double..... 25
- 71910 Good Mixed Stock.....oz., \$1.. 5
- Wallflower-leaved.** The popular cut-flower variety, with flowers of clearest possible colors, and dark glossy leaves.
- 71920 — —White..... 10
- 71930 — —Crimson..... 10
- 71940 — —Mixed.....oz., \$3.50.. 10
- 71950 Dwarf German Bouquet Mixed. Profuse bloomers.....oz., \$4.. 10
- Emperor, Large-flowering.** Sow in spring for autumn and winter flowers; sow in midsummer for spring blooming.
- 71960 — —White..... 25
- 71970 — —Crimson..... 25
- 71980 — —Mixed..... 25

**AUTUMNAL and LATE-FLOWERING SORTS.** From seed sown in spring and summer, these half-hardy biennials begin to bloom in fall, flowering all winter and late into spring if transferred to cool, airy quarters indoors. Usually the plants are wintered over in a frame. Their flowers have not so many colors as the Ten Weeks, but are larger and carried on longer, bolder spikes. Nos. 72030, to 72070, if started in frames or boxes in early spring, will make a brilliant show in late summer and autumn.

**AUTUMNAL and LATE-FLOWERING STOCKS, continued**

72000 Intermediate, <b>Crimson</b> .....pkt., 25	72054 <b>Winter, Large-flowering White Lady.</b>
72010 " <b>White</b> ..... 25	Splendid new variety. (See
72020 " <b>Mixed</b> ..... 25	Novelties).....pkt., 25
72030 <b>Winter, Crimson</b> ..... 25	72060 " <b>Queen Alexandra of Nice.</b>
72040 " <b>White</b> ..... 25	Pink..... 25
72050 " <b>Empress Elizabeth.</b> Splendid	72064 " <b>Dwarf Bouquet.</b> Crimson... 25
carmine-rose; dwarf..... 25	72070 " <b>Mixed</b> ..... 25

**Choice Collections of Stocks.**

Containing Only the Finest Varieties

<b>GERMAN TEN WEEKS</b>		72210 6 varieties Dwarf Victoria Bouquet...\$0 35
72110 24 varieties Dwarf Large-flowering...\$1 00	72220 12 " Giant Perfection..... 65	72230 6 " " "..... 40
72120 18 " " "..... 75	72240 6 " Wallflower-leaved..... 40	
72130 12 " " "..... 50		
72140 6 " " "..... 30	<b>AUTUMNAL, WINTER, ETC.</b>	
72150 12 " Pyramidal, Dwf. Large-flg. 65	72270 8 varieties Intermediate German..... 60	
72160 6 " " "..... 40	72280 6 " " "..... 50	
72170 12 " Large-flowering Emperor.. I 00	72290 6 " East Lothian Autumn..... 60	
72180 6 " " "..... 60	72300 12 " Fine Winter, or Brompton 80	
72190 12 " Dwarf Bouquet..... 60	72310 6 " " "..... 50	
72200 6 " " "..... 35	72340 6 " Winter, Dwarf Bouquet... 75	

**SUNFLOWER** (*Helianthus*)

Very stately decorative plants with great masses of yellow flowers. Among shrubbery, and for backgrounds and screens, nothing could be finer. Their long stems and wonderful lasting qualities make them valuable as cut-flowers. They are said to be good for absorbing the miasma of low grounds. Plant the seed in the open garden in spring and thin the plants to stand 3 to 4 feet apart. All those below are hardy annuals, except 72380.

72380 <b>RED PERENNIAL</b> ( <i>Echinacea helianthus</i> ). The only hardy perennial red-flowering	Oz.	Pkt.
Sunflower. Fine.....	\$0	15
72400 <b>argyrophyllus</b> ( <i>Texas Silver Queen</i> ). Has handsome silvery foliage and a profusion of		
small, elegant, single flowers; 4 ft.....	\$0	25
72410 <b>Henry Wilde.</b> Tall, small-flowered, graceful, single.....	20	5
72420 <b>Primrose-colored.</b> Graceful flowers of a lovely color; beautiful for cutting.....	20	5
72430 <b>macrophyllus giganteus.</b> Huge leaves and yellow flowers; 5 ft.....	20	5
72440 <b>cucumerifolius.</b> Of pyramidal growth; covered with small, bright orange, single		
flowers; 3 feet.....		5
72444 " <b>Diadem.</b> Light citron-yellow with black center; large-flowered.....		10
72450 " <b>Stella.</b> Handsome large-flowered primrose-yellow.....	40	10
72460 " <b>Orion.</b> A very handsome variety, with petals twisted like those of the		
best cactus-shaped dahlias; excellent for cutting.....	50	10
72470 " <b>hybridus fl. pl.</b> A splendid mixture of double and semi-double sorts	60	10
72480 <b>Double Chrysanthemum-flowered.</b> Very double, golden yellow; 6 ft.....		5
72490 " <b>California.</b> Dark yellow; 2 to 5 ft.....	20	5
72500 " <b>Globe-flowered.</b> Ball-shaped; blooms late; 3 ft.....	20	5
72510 " <b>Green-centered.</b> Odd and attractive; 3 ft.....	20	5
72520 " <b>Dwarf.</b> Beautiful, dahlia-like flowers, 3 inches across.....	20	5
72530 " <b>Dwarf Variegated-leaved.</b> Foliage spotted with yellow.....	25	5
72540 <b>Single Russian.</b> Giant-flowered; 5 to 8 ft.....lb., 25c...		5

**SWEET WILLIAM** (*Dianthus barbatus. hB*)

A splendid old-fashioned plant, producing its large heads of beautifully colored, sweet-scented flowers in great abundance. It is hardy, easily grown and flowers the second year from seed.

72650 <b>White, Single</b> .....oz., \$0 30 pkt., 5	72700 <b>Auricula-flowered Oculatus</b> Oz. Pkt.
72660 " <b>Double</b> ..... 10	<b>marginatus, Double.</b> Very
72670 <b>Dark Crimson, Single</b> ..... 30	fine..... \$0 10
72680 " <b>Double</b> ..... 10	72710 <b>Mixed Single</b> .....\$0 25
72690 <b>Auricula-flowered Oculatus</b>	72720 " <b>Double</b> ..... I 00
<b>marginatus</b> ( <i>Hunt's Perfection</i> )..... 30 5	72750 <b>Collection, including 6 varieties</b>
	<b>Sweet William</b> ..... 25

**VERBENA**

In rich soil, single plants of this pretty annual creeper, flowering the first season, will carpet a space 3 to 4 feet in diameter. For beds, borders, mounds, vases and window-boxes, it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. Plants raised from seed are cheaper, more vigorous and produce more flowers for a longer season than those grown from cuttings. For early spring bloom, sow the seeds under glass in February; for later flowers, sow in March or April. Soak the seed a few hours in tepid water and sow in seed-boxes filled with light, rich soil; cover one-fourth of an inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other

**VERBENA, continued**

boxes. Use a liberal amount of manure in the beds that are to receive them, and plant out 10 to 15 inches apart each way in May. Give a sunny position. The plants bloom from early summer until frost. Our seed is saved from fine named varieties. Nos. 73130 and 73140 require no pegging down.

73000	hybrida.	Scarlet.	Different shades.	.....	pkt.,	10
73010	"	Defiance.	Intensely brilliant scarlet; fine for bedding.	.....	"	10
73020	"	Black-Blue, White Eye.	.....	.....	"	10
73030	"	Yellow.	Primrose color.	.....	"	10
73040	"	candidissima.	Large trusses of purest white flowers.	.....	"	10
73050	"	auriculæflora.	Brilliantly colored flowers of fine size, each with a large white eye.	.....	"	10
73060	"	italica striata.	Brightly striped.	.....	"	10
73070	"	cœrulea.	Bright blue in various shades.	.....	"	10
73076	"	nana compacta Vesta.	See novelties.	.....	"	15
73080	"	Mixed.	.....	.....	oz.,	75c. 5
73090	"	Finest Mixed.	Extra choice.	.....	oz.,	\$1.25. 10
73094	"	Mammoth Rose Queen.	Brilliant rose-colored flowers, 1 to 1¼ inches across when well grown, produced in magnificent large umbels.	.....	"	25
73100	"	Mammoth Mixed.	Plants and flowers are unusually large; extremely floriferous.	.....	"	10
73110	"	Improved Mammoth Mixed Auricula-flowered.	Best of all.	.....	"	25
73130	Compacta erecta	"Brilliant."	Flowers coppery scarlet with white eye. Grows only 9 inches tall and forms compact upright bushes 1 foot in diameter.	.....	"	25
73140	"	"	Mixed.	Finest collection.	"	10
73150	Collection,	including 6 varieties	Verbena hybrida.	.....	"	50
73200	Verbena erinoides.	Small, violet; large bloomer; pretty.	.....	.....	"	10
73210	"	alba.	Dazzling white; large profuse bloomer. Excellent.	.....	"	10
73214	"	venosa.	Blue; fine for groups and for edgings.	.....	"	10
73220	"	citridora (Lemon-scented verbena).	An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves.	.....	"	10

**ZINNIA (Youth and Old Age)**

Few flowers are so easily grown from seed sown in the open ground, or bloom so abundantly and continuously, as this hardy annual. During the month of August, Zinnias are almost incomparably bright. Sow seed in the open ground early in spring. The separate colors and collections offered below are very choice. They produce very large flowers and are far superior to the sorts generally sold as Giant-flowering. Average height, 1½ to 2 feet.

**TALL DOUBLE.** For borders and groups; 2 feet.

	Oz.	Pkt.	Oz.	Pkt.
73510 Carmine	\$0 50	\$0 05		
73520 Crimson	50	5		
73530 Flesh-colored	50	5		
73540 Lilac	50	5		
73550 Purple	50	5		
73560 Rose	50	5		
73570 Scarlet	50	5		
73580 Striped	50	5		
73590 Violet	50	5		
73600 White	50	5		
73610 Yellow, Sulphur	50	5		
73620 " Golden	50	5		
73622 Giant Sulphur-Yellow	See	20		
73624 " Crimson	Nov-	20		
73626 " Violet	elties	20		
73630 Mixed	40	5		
73640 " Large Robust	75	10		

**DWARF DOUBLE.** More compact and of neater habit than tall varieties.

	Oz.	Pkt.	Oz.	Pkt.
73680 Purple	\$0 60	\$0 10		
73690 Salmon	60	10		
73700 Crimson	60	10		
73710 Bright Scarlet	60	10		
73714 Violet	60	10		
73720 White "Snowball"	60	10		
73730 Yellow, Sulphur	60	10		
73740 " Golden	60	10		
73750 Mixed	50	5		
73760 Tom Thumb Mixed	1 00	15		
73770 Lilliput, Scarlet Gem		10		
73780 " White		10		
73790 " Mixed	75	10		
73800 Mixed Pompon	75	10		
73810 Haageana. Double mixed; 1 ft.		10		
73820 Curled and Crested. Mixed.	60	10		



ZINNIA.

**Collections of Zinnia**

73860	10 varieties Tall Double	\$0 45
73870	6 " " "	30
73880	6 varieties Dwarf Double	40
73890	8 " " "	60

# Sweet Peas *(Lathyrus odoratus)*



Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf, branching and bloom more freely, some varieties showing three to four blooms on a stem.

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted stable manure. They are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 6 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 or 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good rich condition, bone meal is the best fertilizer.

## Thorburn's Selected Sweet Peas

74000 Assortment, containing 1 pkt. each of 60 named varieties, OUR SELECTION.....	\$1	75
74010 " " " " 40 " " " " .....	1	30
74020 " " " " 20 " " " " .....		75
74030 " " " " 10 " " " " .....		40

## NAMED LARGE-FLOWERED (GRANDIFLORA) VARIETIES

Free by mail or express

*All five cents per packet except where quoted otherwise*

	Per oz.	¼lb.	½lb.	Lb.
74080 Agnes Johnston. Rose-pink, shaded cream.....	\$0 10	\$0 20	\$0 30	\$0 50
74130 Apple Blossom. Bright pink and blush, beautifully shaded.....	10	20	30	50
74140 Aurora. Flowers extra-large; flaked bright orange-salmon on white ground..	10	25	45	75
74150 Black Knight. Deep maroon, self-colored.....	10	20	35	60
74160 Blanche Burpee. Superb, pure white; immense size, perfect form.....	10	20	35	60
74170 Blanche Ferry. Standard carmine-rose, wings white, tinged pink.....	10	20	35	60
74180 Bolton's Pink. Rich salmon-pink.....	10	20	35	60
74200 Captain of the Blues. Bright purple and pale blue.....	10	20	35	60
74230 Coquette. Primrose, shaded fawn.....	10	20	35	60
74240 Countess of Cadogan. Reddish mauve standard, violet-blue wings.....	10	20	35	60
74250 Countess of Lathom. Very pretty cream-pink.....	10	20	30	50
74254 Countess of Powis. Orange; fine.....	10	20	30	50
74260 Countess of Radnor. Delicate lavender standard; dark mauve wings.....	10	20	35	60
74270 Crown Jewel. Primrose, veined violet-rose.....	10	20	30	50
74280 Dainty. White, edged pink.....	10	20	30	50
74284 David R. Williamson. Bright indigo; wings lighter.....	10	20	30	50
74288 Dora Breadmore. Primrose and buff.....	10	25	45	75
74290 Dorothy Eckford. Fine pure white; large flower.....	10	20	30	50
74300 Dorothy Tennant. Standard rosy mauve; wings bluish mauve.....	10	20	30	50
74310 Duke of Clarence. Rosy claret; self-colored flowers; extra early.....	10	20	30	50
74320 Duke of Westminster. Rosy maroon standard; violet-purple wings; fine..	10	20	35	60

**SWEET PEAS, continued**

*All five cents per packet except where quoted otherwise*

	Per oz.	¼lb.	½lb.	Lb.
74360 Emily Henderson. Splendid pure white; good for forcing.....	\$0 10	\$0 20	\$0 30	\$0 50
74370 Evelyn Byatt. Orange-scarlet; wings rosy.....	10	20	35	60
74380 Firefly. Brilliant fiery scarlet.....	10	20	30	50
74390 Flora Norton. Splendid rich lavender.....	10	20	35	60
74404 George Gordon. Reddish maroon.....	10	20	30	50
74420 Golden Rose. Light primrose-yellow, striped rosy pink.....	10	20	30	50
74430 Gorgeous. Standard bright orange; wings bright orange-rose. Very showy.	10	20	30	50
74436 Gray Friar. Heliotrope, marbled on white.....	10	20	30	50
74440 Helen Pierce. Bright blue, mottled on pure white; perfect shell-shaped gloxinia-like flowers; beautiful.....	10	25	45	75
74454 Her Majesty. Rose-crimson; fine.....	10	20	30	50
74460 Hon. F. Bouverie. Standard flesh-pink; wings rosy buff.....	10	20	30	50
74470 Hon. Mrs. Kenyon. The deepest shade of primrose; very large.....	10	20	30	50
74490 Janet Scott. Bright pink and buff; very pretty.....	10	20	35	60
74500 Jeannie Gordon. Beautiful bright rose, shaded cream.....	10	25	45	75
74510 Jessie Cuthbertson. Rose and primrose striped.....	10	20	35	60
74518 Juanita. White, striped lavender.....	10	20	35	60
74520 Katherine Tracy. Soft brilliant pink.....	10	20	30	50
74530 King Edward VII. Bright crimson, very large flowers. Splendid sort.....	10	20	35	60
74540 Lady Grisel Hamilton. Light lavender standard, sky-blue wings; splendid	10	20	35	60
74550 Lady Mary Currie. Orange-pink, shaded rosy lilac.....	10	20	30	50
74554 Lady Nina Balfour. Mauve standard, lavender wings, on primrose ground.	10	20	30	50
74556 Lady Skelmersdale. Light magenta standard, edged lilac; wings white though sometimes tinged pink.....	10	20	35	60
74560 Lord Nelson. (Brilliant Blue.) Deeper and richer shade than Navy-Blue.	10	20	35	60
74564 Lord Roseberry. Bright magenta-rose; large size.....	10	20	30	50
74570 Lottie Eckford. Rose and white, edged with blue.....	10	20	30	50
74580 Lovely. Deep rose standard and wings, shading to pale pink at edges.....	10	20	30	50
74590 Maid of Honor. Almost white, with light bluish lavender edge.....	10	20	30	50
74600 Majestic. Deep pink, self-colored; very large flowers of finest form.....	10	20	30	50
74610 Marchioness of Cholmondeley. Light salmon, buff standards and wings.	10	20	35	60
74620 Mars. Bright red, self-colored; hooded form.....	10	20	30	50
74630 Miss Willmott. Large, orange-pink.....	10	20	30	50
74640 Modesty. White, tinted pink.....	10	20	30	50
74660 Mrs. Dugdale. Beautiful deep rose; unexcelled for cut-flowers.....	10	20	30	50
74670 Mrs. Eckford. Primrose-yellow. Exquisite.....	10	20	30	50
74676 Mrs. George Higginson, Jr. Light lavender.....	10	20	30	50
74680 Mrs. Jos. Chamberlain. White, striped and flaked with bright rose.....	10	20	30	50
74690 Mont Blanc. Pure white, of finest form, for forcing; very dwarf.....	10	25	45	75
74700 Navy-Blue. Bluish purple standard; navy-blue wings.....	10	20	35	60
74720 Othello. Glossy maroon. Self-colored. Elegant.....	10	20	30	50
74746 Prima Donna. Pure light pink, self-colored.....	10	20	35	60
74760 Prince of Wales. Rose-crimson, self-colored.....	10	20	30	50
74770 Princess of Wales. Striped mauve on white ground.....	10	20	35	60
74780 Queen Alexandra. Bright scarlet-red, self-colored; almost true scarlet.....	10	25	45	75
74800 Queen Victoria. Light primrose-yellow.....	10	20	35	60
74810 Royal Rose. Fine deep rose-colored.....	10	20	30	50
74820 Sadie Burpee, White Seed. One of the largest pure white Sweet Peas.....	10	20	30	50
74830 Sadie Burpee, Black Seed. Pure white, hardier than the white-seeded.....	10	20	30	50
74840 Salopian. Splendid brilliant scarlet; nearly sun-proof.....	10	20	30	50
74850 Senator. Maroon and violet, striped white.....	10	20	30	50
74860 Shahzada. Dark maroon, shaded purple.....	10	20	30	50
74880 Stella Morse. Primrose, flushed pink; very beautiful.....	10	20	30	50
74900 Sibyl Eckford. Standard light salmon and buff, wings buff; open form.....	10	20	30	50
74904 Triumph. Rose standard, veined scarlet-rose; light crimson-pink wings.....	10	20	30	50
74906 Venus. Light pink and buff, blended.....	10	20	30	50
74908 Wawona. Lavender striped.....	10	20	30	50
74910 White Wonder. Double-stemmed, many-flowered; pure white.....	10	20	35	60

**UNWIN VARIETIES**

This type has waved and fluted standards, much resembling the Spencers, though entirely distinct as a class.

	Per oz.	¼lb.	½lb.	Lb.
74920 E. J. Castle. Carmine-rose; standard shaded salmon.....	\$0 10	\$0 25	\$0 45	\$0 75
74924 Frank Dolby. Lavender-blue.....	10	30	50	80
74930 Gladys Unwin. Pale rosy pink; superb.....	10	25	45	75
74950 Mrs. Alfred Watkins. Standard pink, shading to buff; wings blush, sha- ding to rose.....	10	25	45	75
74960 Nora Unwin. Pure white; large, open, wavy form.....	Pkt., 10c.	25	65	1 00
74970 Phyllis Unwin. Light magenta-rose and carmine; large.....	10	25	45	75
74980 Collection of above 6 varieties (1 pkt. of each), 25 cts.....				

**CHRISTMAS SWEET PEAS**

These varieties, if sown early in fall indoors, will bloom by Christmas and continue all winter. They may also be sown outdoors in the same way as other sorts for summer-flowering.

		oz.	¼lb.	½lb.	Lb.
74126 Angeleno. Self-pink.....	Pkt., 10c...	\$0 25	\$0 65	\$1 00	\$1 50
74190 Burpee's Earliest White. Pure white, on long stems; early.....	Pkt., 5c...	15	45	75	1 25
74210 Christmas Pink.....	Pkt., 10c...	25	75	1 20	1 75
74220 Christmas White.....	Pkt., 10c...	25	75	1 20	1 75
74224 Christmas Lavender (Mrs. Alex. Wallace).....	Pkt., 10c...	30	75	1 25	2 00
74330 Earliest of All. Pink and white, resembling Blanche Ferry.....	Pkt., 5c...	10	25	45	75
74400 Flamingo. Crimson.....	Pkt., 10c...	25	65	1 00	1 50

**SPENCER VARIETIES**

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering Sweet Peas."

		Per oz.	¼lb.	½lb.	Lb.
74990 Apple Blossom. Crimson, buff and light pink.....		\$0 25	\$0 75	\$1 25	\$2 00
74996 Asta Ohn. Lavender tinted mauve; delicate coloring; very large.....		30	1 00	1 50	2 50
75004 Aurora. Orange, pink and white striped; enormous flowers.....		25	75	1 25	2 00
75006 Black Knight. Shining deep maroon.....		25	75	1 20	1 75
75008 Beatrice Spencer. Deep pink, blush and buff; splendid.....		30	1 00	1 50	2 50
75012 Captain of the Blues. Standard purple; wings blue.....		25	75	1 25	2 00
75018 Clara Curtis. Beautiful pale primrose.....	Pkt., 5c...	15	45	75	1 25
75020 Countess Spencer. Soft rose-pink, a little deeper at edges.....		30	1 00	1 50	2 50
75022 Elsie Herbert. Large creamy white, with pink edge.....		25	75	1 20	1 75
75024 Enchantress. Deep pink, darker toward edges.....		15	45	75	1 25
75026 Etta Dyke. Pure white; exquisite.....		30	1 00	1 50	2 50
75028 Florence Morse. Blush, pink margin.....		30	1 00	1 50	2 50
75034 George Herbert. Standard rosy magenta, wings deep carmine.....		25	75	1 20	1 75
75040 Helen Lewis. Crimson-orange standard; wings orange-rose.....	Pkt., 5c...	15	45	75	1 25
75050 John Ingman. Rose-carmine; fluted flowers. Profuse bloomer.....	Pkt., 5c...	15	45	75	1 25
75054 Marjorie Willis. Glowing rose with a little white at base.....		25	75	1 20	1 75
75056 Mrs. C. W. Breadmore. Buff ground with rosy picotee edge.....		25	75	1 25	2 00
75058 Mrs. Charles Foster. Lavender, flushed pale rose.....		25	75	1 20	1 75
75060 Mrs. Hardcastle Sykes. Salmon-pink.....		25	65	1 00	1 50
75064 Mrs. Henry Bell. Rich apricot-pink on cream ground.....		30	1 00	1 50	2 50
75068 Othello. Rich deep maroon; profuse bloomer.....		30	1 00	1 50	2 50
75072 Paradise Ivory. Ivory-white with a slight tinge of buff on the standard.....		30	1 00	1 50	2 50
75076 Primrose Spencer. Pronounced primrose or creamy yellow.....		25	75	1 20	1 75
75080 Tennant. Purplish mauve, self. Long, stiff stems.....		30	1 00	1 50	2 50
75084 The Marquis. Rosy mauve self.....		30	1 00	1 50	2 50
75088 White Spencer. Pure white; waved, crinkled, and fluted standards.....		30	1 00	1 50	2 50
75090 Mixed Spencers.....	Pkt., 5c...	15	50	80	1 40

**SWEET PEAS IN MIXTURE**

75150 THORBURN'S SPECIAL MIXED. Comprising the finest Eckford and other newest and best large-flowering varieties.....	Pkt., 5c...	10	25	40	75
75160 Eckford's Mixed. Composed of Eckford varieties only.....	Pkt., 5c...	10	20	30	50
75170 Choice Mixed.....	Pkt., 5c...	10	15	20	35
75200 Double Varieties, Mixed.....	Pkt., 5c...	10	20	35	60

**DWARF CUPID SWEET PEAS**

A distinct race of Sweet Peas, growing only about 6 inches high. Of compact, bushy habit, and with flowers as large and fragrant as those of some of the tall sorts. Excellent for pots, borders or masses.

		Per oz.	¼lb.	½lb.	Lb.
75264 Blanche Ferry. Pink and white.....	Pkt., 5c...	\$0 10	\$0 30	\$0 50	\$0 80
75274 Bridesmaid. Pink.....	Pkt., 5c...	10	30	50	80
75330 White. Large, pure white flowers; very floriferous.....	Pkt., 10c...	25	65	1 00	1 50
75340 Mixed.....	Pkt., 5c...	10	25	45	75

**PERENNIAL PEAS (*Lathyrus latifolius*)**

These have not the fragrance of Sweet Peas, but bloom through a long season, are hardy and will live for years. They make a beautiful screen for rocks, stumps, fences, etc. Height 2 to 8 feet.

		Pkt.	Oz.
75420 latifolius Crimson (hP). Beautiful shade.....		\$0 10	\$0 40
75450 " Pink Beauty (hP). Blossoms white, veined, edged and shaded rose-pink....		10	40
75460 " White (hP). Valuable for cut-flowers in midsummer.....		10	40

**LORD ANSON'S PEA (*Lathyrus magellanicus* hA)**

Said to have been originally introduced by the cook of H. M. S. *Centurion*, commanded by Lord Anson in 1744. Medium-sized flowers produced in bunches from June until end of July.

		Pkt.	Oz.
75470 Blue. Strong-growing; dark purple-blue. 3 to 5 feet.....		\$0 05	\$0 20
75480 White. A pretty white form of above.....		05	20

# Continuation of Flower Seeds, General List

FLOWER SEEDS DELIVERED FREE BY MAIL ON RECEIPT OF THE STATED PRICE. PRICE PER OUNCE OR POUND FOR THOSE NOT QUOTED, ON APPLICATION  
 Not less than one ounce at ounce rate, on articles quoted at lower than \$1 per ounce

## Explanation of Signs Employed in this List

The asterisk (\*) designates *ornamental-leaved* plants. This mark (‡) prefixed indicates the *climbers*.

The third column presents in figures the COMPARATIVE TIME OF FLOWERING, thus:

1 designates early—blooming in spring and early summer. 2 designates intermediate—blooming in midsummer.  
 3 designates late—blooming in late summer and autumn.

The fourth column gives the DURATION OF CHARACTER, and HARDINESS.

A represents Annual—lasting but one year.

B " Biennial—lasting two years.

P " Perennial—lasting three or more years.

E " Evergreen—retains foliage the entire year.

S represents Shrubs—plants of bushy habit.

G " greenhouse plants.

Bu " bulbous plants.

. . . designates, in every case, repetition.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (‡) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic states. Further north or south, these designations apply only in a comparative way.

h represents hardy—plants for open border. hh represents half-hardy—plants that require to be forwarded in pots or frames.  
 t represents tender—requiring protection.

Customers will find it more convenient to order by number. This will facilitate the filling of their orders and will insure prompter shipment.

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time	Hardiness	Color of	Height	Price	GENERAL OBSERVATIONS
	of Flowering	and Duration	the Flower	in Feet	per Packet	
75600 <i>Abobra viridiflora</i> . . . . .	2 3	tA	green	6	cts. 10	Bears pretty scarlet fruits.
75620 <i>Abronia umbellata</i> . . . . .	2	hA	rose	trail.	5	} (Sand Verbena.) Fine trailers. Do best in light, sandy soil. Sow in open ground in May.
75630 — <i>grandiflora</i> . . . . .	.	.	.	.	5	
75640 <i>arenaria</i> . . . . .	.	.	yellow	.	10	
75650 ‡ <i>Abrus precatorius</i> . . . . .	.	gP	purple	12	5	(Prayer Bean.) Pretty climber.
75670 <i>Abutilon compactum</i> , "Fireball"	2 3	gS	d. red	4	25	} Free-growing decorative shrubs; bright bell-shaped flowers. Suitable for house, greenhouse or garden.
75680 <i>Edouard Lagueillon</i> . . . . .	.	.	.	.	25	
75690 <i>Mixed</i> . . . . .	.	.	mixed	.	25	
75710 <i>Acacia dealbata</i> . . . . .	1	.	yellow	6	10	} (Tassel Tree.) Greenhouse shrubs; graceful branches and fine racemes of yellow flowers, richly scented. Soak seeds in hot water before sowing, then plant in sandy peat in a temperature of 55° to 60°. 75780 is a very charming, floriferous shrub.
75714 <i>armata</i> . . . . .	.	.	.	.	10	
75720 <i>cultriformis</i> . . . . .	.	.	.	.	10	
75730 <i>decurrens</i> . . . . .	.	.	.	.	5	
75740 <i>Farnesiana</i> . . . . .	.	.	.	10	5	
75750 <i>Bayleyana</i> . . . . .	.	.	.	6-10	10	
75760 <i>lophantha</i> . . . . .	.	.	.	6	5	
75770 <i>Melanoxylon</i> . . . . .	.	.	.	.	10	
75780 <i>mollissima floribunda</i> . . . . .	.	.	.	7	10	
75790 <i>pycnantha</i> . . . . .	.	.	.	.	10	
75800 <i>Fine mixed</i> . . . . .	.	.	mixed	.	5	
75840 <i>Acanthus mollis</i> . . . . .	3	hP	white	3	10	} (Bear's Breech.) Leaves are ornamental and valuable for decorative purposes.
75850 <i>spinosus</i> . . . . .	2	.	purple	.	10	
75870 <i>Achillea Ptarmica</i> , Double, "The Pearl" . . . . .	2 3	.	white	1 1/2	25	} Free bloomer; fine for florists for cut-flowers.
75890 <i>Achimenes</i> , Best Mixed . . . . .	2	gP	mixed	.	25	Saved from finest collection.
<b>Aconitum—</b>						
75920 <i>Napellus</i> (Monk's Hood) . . . . .	.	hP	blue	4	10	} Hardy, popular plants, with panicles of helmet-shaped flowers.
75930 <i>pyramidatum</i> . . . . .	.	.	.	.	15	
75940 <i>Mixed</i> . . . . .	.	.	mixed	.	10	
75950 <i>Acroclinium roseum</i> . . . . .	.	hhA	v. & ro.	1	5	} Graceful plants, with everlasting flowers, much used for winter decorations. Flower heads should be gathered when young, to be preserved.
75960 — <i>album</i> . . . . .	.	.	white	.	5	
75970 — <i>Mixed</i> . . . . .	.	.	mixed	.	5	
75980 — <i>Double Rose</i> . . . . .	.	.	rose	.	5	
75990 — <i>White</i> . . . . .	.	.	white	.	5	
76000 — <i>Mixed</i> . . . . .	.	.	mixed	.	5	
76010 <i>Adenophora Potanini</i> . . . . .	2 3	hP	l. blue	.	25	
76030 ‡ <i>Adlumia cirrhosa</i> . . . . .	2	hB	pink	15	10	(Climbing Fumitory.) Fine.

NUMBER AND NAME <small>Each ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
76050	<i>Adonis autumnalis</i> . . . . .oz., 25c.	2 3	hA	scarlet	1	5	} Attractive, bright flowers. 76070 is a very fine hardy perennial.
76060	<i>æstivalis</i> . . . . .oz., 25c.	1	hP	crim.	1	5	
76070	<i>vernalis</i> (ox-eye) . . . . .oz., 30c.	1	hP	yellow	1½	5	
76080	<i>Agapanthus umbellatus</i> . . . . .	1	tP	blue	1	10	
76100	<i>Agathæa cœlestis</i> . . . . .	1	hP	blue	1	25	(African Lily.) Beautiful. (Blue Daisy.) Winter bloom. See page 66.
	<i>Ageratum</i> . . . . .						
	<i>Agrostemma</i> —						
76130	<i>Cœli Rosa</i> (Rose of Heaven). . . . .	2 3	hA	rose	1	5	} The Rose of Heaven is very free-flowering and easily grown. Fine for beds. The Rose Campion is a perennial species, free-blooming and very pretty. Excellent for naturalizing in dry situations.
76140	— <i>alba</i> . . . . .	1	hP	white	1	5	
76150	<i>coronaria</i> (Rose Campion) . . . . .	1	hP	rose	1-2	5	
76160	—Dark Blood-Red . . . . .	1	hP	d. red	1	10	
76170	—White . . . . .	1	hP	white	1	5	
76180	—Mixed . . . . .oz., 30c.	1	hP	mixed	1	5	
76190	<i>flos Jovis</i> . . . . .	1	hP	rose	1	5	
76210	<i>Alonsoa grandiflora</i> . . . . .	1 3	hhA	scarlet	2	5	} (Mask Flower.) Bright little annuals of fine habit; re- quire some protection in cold weather. Sow in hotbed, and plant out early in May.
76220	<i>albiflora</i> . . . . .	1	hhA	white	1	5	
76230	<i>linifolia</i> . . . . .	1	hhA	scarlet	1½	5	
76240	<i>myrtifolia</i> . . . . .	1	hhA	red	2½	5	
76250	<i>Warszewiczii</i> . . . . .	1	hhA	red	2	5	
76260	<i>Alsine pinifolia</i> . . . . .	2 3	hP	white	½	10	Very pretty for edgings.
76270	<i>Alstroemeria pulchella</i> . . . . .	1 2	gP	yel. & r.	3	10	(Peruvian Lily.) 76270 is bril- liant yellow, with red streaks.
76280	Mixed . . . . .	1	gP	mixed	1	10	See Hollyhocks, page 78. See page 67.
	<i>Althæa rosea</i> . . . . .						
	<i>Alyssum</i> . . . . .						
76290	* <i>Amarantus abyssinicus</i> . . . . .	2 3	tA	d. red	1	5	} Strong-growing, highly orna- mental plants. The <i>tricolor</i> varieties are very valuable for bedding, having elegant ornamental foliage, varie- gated crimson, yellow and green; also well adapted for growing in pots. Of easy cul- ture, doing best in rich, loam soil. For best results, sow in hotbed in April and plant out the end of May. Please note that seed saved from the finest sorts frequently produces inferior plants. See Browallia.
76300	* <i>bicolor ruber</i> . . . . .	1	tA	red	2	5	
76310	* <i>cruentus</i> (Prince's Feather) . . . . .	1	tA	d. red	3	5	
76320	* <i>caudatus</i> (Love - Lies - Bleed- ing) . . . . .oz., 25c.	1	tA	red	1	5	
76330	* <i>coleifolius</i> . . . . .	1	tA	red	1	5	
76340	* <i>Henderi</i> . . . . .	1	tA	cr. & y.	4	5	
76350	* <i>melancholicus ruber</i> . . . . .	1	tA	red	2½	5	
76360	* <i>salicifolius</i> (Fountain Plant) . . . . .	1	tA	purple	1	10	
76370	* <i>tricolor</i> (Joseph's Coat) . . . . .oz., 25c.	1	tA	var.	1	5	
76380	*— <i>giganteus</i> . . . . .	1	tA	red	6	5	
76390	*— <i>splendens</i> . . . . .	1	tA	red	3	10	
76400	* <i>Fine Mixed</i> . . . . .oz., 20c.	1	tA	mixed	1	5	
	<i>Amethyst</i> . . . . .						
76440	<i>Ammobium alatum</i> . . . . .	2	hhP	white	3	5	} Pretty everlastings of easy cul- tivation.
76450	— <i>grandiflorum</i> . . . . .	1	hhP	white	1	5	
76470	<i>Anagallis grandiflora</i> mixed . . . . .	1 3	hhA	mixed	1-2	10	} For sunny situation. Fine bor- der plant.
76480	<i>Anchusa capensis</i> . . . . .	2	hP	purple	1½	10	
76490	<i>Barrelieri</i> . . . . .	1	hP	d. blue	2	10	} Very attractive. Fine for cut- flowers and bouquets.
	<i>Anemone</i> —						
76510	<i>coronaria</i> (St. Brigid Poppy- flowered) . . . . .	1	hP	mixed	1	10	} Beautiful spring flowers, re- quiring rich, deep soil. 76530 has large, pure white flowers, invaluable for cutting.
76514	— <i>caen</i> mixed . . . . .	1	hP	red	1½	10	
76520	<i>japonica rosea</i> . . . . .	3	hP	rose	2	25	
76530	— <i>alba</i> . . . . .	1	hP	white	1	25	
76570	<i>sylvestris</i> . . . . .	1	hP	red	1½	10	
76630	<i>Angelonia grandiflora</i> . . . . .	1	gP	purple	1	25	Fine, sweet-scented; for pots.
76650	<i>Anthemis arabica</i> (Rock Camo- mile) . . . . .	1	hA	yellow	1	5	} Pretty golden yellow flowers.
76660	<i>Kelwayi tinctoria</i> . . . . .	1 2	hP	red	2-3	10	
76680	† <i>Antigonon leptopus</i> . . . . .	3	gP	pink	diff.	5	76660 is very fine. Pretty greenhouse climber.
	<i>Antirrhinum</i> . . . . .						See Snapdragon, page 92.
	<i>Aquilegia</i> . . . . .						See page 67.
76700	<i>Arabis alpina</i> . . . . .	1 3	hP	white	¾	10	} 76700 is "Rock Cross;" 76710 is a rare species.
76710	<i>rosea</i> . . . . .	1	hP	rose	½	50	
76740	<i>Arctotis grandis</i> . . . . .	2	hA	w. & y.	2	10	Fine for cutting.
76760	<i>Ardisia crenulata</i> . . . . .	2 3	gS	red	5	25	Fine decorative plant, bearing bright coral berries.



NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS	
<i>3/4</i> oz. at oz. rate only on articles quoted at \$1 per oz. and over.								
76790	<i>Argemone grandiflora</i> . . . oz., 50c.	2	3	hA	white	2	} In a large garden the foliage and flowers are effective. 76810 is the Silver Poppy.	
76800	— <i>lutea</i> . . . . . oz., 50c.	.	.	.	yellow	10		
76810	<i>hispida</i> . . . . .	.	.	.	white	10		
76840	† <i>Aristolochia elegans</i> . . . . .	2	gP	pu. & w.	20	25	} <i>A. Siph</i> is the "Dutchman's Pipe," a hardy climber.	
76850	<i>Siph</i> . . . . .	.	hP	br. & y.	30	25		
76890	<i>Arnebia cornuta</i> . . . . .	3	hhA	yellow	1	25	Rich yellow, spotted maroon.	
76930	<i>Asclepias Curassavica</i> . . . . .	1	3	gP	orange	3	10	Swallow-wort; free-bloomer.
76940	— <i>atrosanguinea</i> . . . . .	.	.	.	dk. red	10	10	Rich crimson.
76950	<i>incarnata</i> . . . . .	2	hP	rose-p.	10	10	10	Swamp Milkweed.
76960	<i>tuberosa</i> . . . . .	.	.	.	orange	2	10	
77000	<i>Asparagus Sprengeri</i> . . . . .	1	gP	white	4	10	} Beautiful fern-like foliage; fine for bouquets. <i>A. plumosus nanus</i> is the dwarf variety, with finely cut foliage, now so largely used by florists.	
77010	† <i>plumosus nanus</i> . . . . .	.	.	.	6	10		
77030	<i>scandens deflexus</i> . 15 seeds in packet . . . . .	.	.	.	.	25		
77060	<i>Asperula azurea setosa</i> . . . . .	2	3	hhA	l. blue	1	} Sweet-scented, long bloomers; for borders or rockwork.	
77070	<i>odorata</i> (Woodruff) . . . . .	.	hP	white	1 1/2	10		
Asters . . . . .							See pages 65 and 66.	
<i>Astilbe Davidii</i> . . . . .							See <i>Spiræa</i> , page 115.	
77100	<i>Aubrietia deltoidea</i> . . . . .	1	.	.	trais.	25	} Resembling <i>Alyssum</i> in character; fine for rockwork or bedding. <i>A. Eyrii</i> has lovely large, violet flowers.	
77110	<i>Eyrii</i> . . . . .	.	.	.	violet	25		
77120	<i>græca</i> . . . . .	1	3	.	blue	10		
77130	<i>Leichtlinii</i> (rosy carmine) . . . . .	.	.	.	carmine	25		
77150	<i>Auricula</i> , Finest Mixed . . . . .	1	.	.	mixed	1/2	25	{ ( <i>Primula auricula</i> ). Beautiful shades of color.
77170	<i>Azalea hybrida indica</i> . . . . .	2	hS	.	.	2	25	Seeds from finest varieties.
<i>Bachelor's Button</i> . . . . .							See <i>Gomphrena</i> , page 107.	
<i>Balsam Apple and Pear</i> . . . . .							See <i>Momordica</i> , page 111.	
<i>Balsams</i> . . . . .							See page 68.	
77190	† <i>Balloon Vine</i> . . . . . oz., 25c.	2	3	hhA	w. & gr.	10	5	( <i>Cardiospermum</i> .) Pretty.
<i>Banana</i> . . . . .							See <i>Musa Ensete</i> , page 111.	
77210	<i>Baptisia australis</i> . . . . .	2	hP	blue	2	5	} (False Indigo.) It has beautiful light blue flowers.	
77230	<i>Bartonia aurea</i> . . . . . oz., 40c.	1	3	hA	yellow	3		10
77240	— <i>nana</i> . . . . . oz., 50c.	.	.	.	.	1 1/2	10	} Golden yellow flowers; very fragrant in the evening.
* <i>Beet</i> , Ornamental—								
77270	* <i>Brazilian</i> , G'ld'n-lyd. oz., 20c.	.	.	.	.	5	} Beets, having no tubers, but with handsome ornamental foliage of very beautiful, rich colors. Very effective in center of beds, or anywhere in contrast with other plants.	
77280	*— <i>Scarlet-veined</i> . . . oz., 20c.	.	.	.	.	5		
77290	*— <i>Crimson-veined</i> . . . oz., 20c.	.	.	.	.	5		
77300	* <i>Chilian Scarlet-rib'd</i> oz., 20c.	.	.	.	.	5		
77310	*— <i>Yellow-ribbed</i> . . . oz., 20c.	.	.	.	.	5		
77320	* <i>Victoria</i> . . . . . oz., 20c.	.	.	.	.	5		
77330	* <i>Dracæna-leaved</i> . . . oz., 20c.	.	.	.	.	5		
77370	<i>Begonia</i> , Single Tuberos-root'd . . . . .	.	gP	mixed	.	25	} Fine for growing in pots, being perfect in habit, with handsome foliage. 77410 has dark scarlet flowers and reddish brown foliage. No. 77490 has scarlet flowers and beautiful golden yellow leaves excellent for edging. <i>B. Erfordii</i> is a free-blooming, rosy carmine variety; fine for groups. <i>Zulu King</i> is a splendid sort, with leaves almost black. 77430 has metallic foliage and rose flowers. For winter blooming.	
77380	Double Tuberos-rooted . . . . .	.	.	.	.	75		
77390	Fringed Single Tuberos . . . . .	.	.	.	.	50		
77400	<i>Erfordii</i> . . . . .	.	.	carmine	.	50		
77410	<i>gracilis luminosa</i> . . . . .	.	.	d. scar.	1 1/2-2	25		
77430	<i>metallica</i> . . . . .	.	.	rose	3	75		
77440	* <i>Rex</i> , Ornamental-leaved . . . . .	.	.	mixed	1	25		
77450	<i>semperflorens</i> . . . . .	.	.	rose	.	25		
77460	— <i>alba</i> . . . . .	.	.	white	.	25		
77470	— <i>Vernon</i> , red, for borders . . . . .	.	.	red	.	25		
77480	— <i>Bijou</i> , bright scarlet . . . . .	.	.	scarlet	1/2	25		
77490	— <i>fol. aureis</i> , yellow-leaved . . . . .	.	.	.	1	25		
77500	— <i>Zulu King</i> , black-leaved . . . . .	.	.	.	.	25		
77510	— <i>mixed</i> . . . . .	.	.	mixed	.	25		
77530	<i>hybrida crispa fimbriata m'xd</i> . . . . .	2	.	.	1 1/2	25		
77540	COLLECTIONS, including 12 varieties Tuberos-rooted . . . . .					\$1 50		
77550	6 vars. Tuberos-rooted . . . . .					85		
<i>Bellis perennis</i> . . . . .							See <i>Daisy</i> , page 75.	
77590	<i>Benincasa cerifera</i> . . . . .	2	3	tA	yellow	6	10	Black, wax-like gourd.
77610	<i>Bidens atrosanguinea</i> . . . . .	.	.	hA	d. red	2	10	Showy, like the <i>Calliopsis</i> .

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Blazing Star .....					cts.	See <i>Liatris</i> , No. 83530.
Blue Bottle .....						See <i>Centaurea Cyanus</i> , p. 72.
77640 * <i>Bocconia japonica</i> .....	2 3	hP	white	4	10	Ornamental habit and foliage.
77660 <i>Boltonia asteroides</i> .....	3	.	flesh	3	25	Tall and leafy plants for hardy border. Profuse bloomers; easily grown.
77670 <i>latisquama</i> .....	.	.	pink	.	10	
77680 <i>Bouvardia Jacquini</i> .....	2 3	gP	scarlet	2	25	Fine greenhouse evergreen.
77700 <i>Brachycome iberidifolia</i> .....	3	hhA	purple	1	10	(Swan River Daisy.) For edging. Should be started in hotbed. No. 77716 is a magnificent pure white variety.
77710 — <i>alba</i> .....	.	.	white	.	10	
77712 — <i>rosea</i> .....	.	.	rose	.	10	
77716 — <i>Snow Star</i> .....	.	.	white	.	15	
77720 — <i>Mixed</i> .....	.	.	mixed	.	10	
77740 <i>Brickellia grandiflora</i> .....	2 3	hP	buff	2-3	25	Great Tasselwort.
77770 <i>Browallia elata</i> .....	2	gA	blue	2	10	(Amethyst.) Elegant greenhouse annuals; fine for cutting. 77800 has large, lovely flowers, some white, some pale blue.
77780 — <i>alba</i> .....	.	.	white	.	10	
77790 — <i>Mixed</i> .....	.	.	mixed	.	10	
77800 <i>Rœzii</i> (Fine for pots) .....	.	.	var.	.	25	
77810 <i>speciosa major</i> .....	.	.	blue	.	25	
77830 <i>Bryonopsis laciniosa erythrocarpa</i> .....	.	tA	red	5	5	Very pretty ornamental gourd.
77850 <i>Bupththalmum cordifolium</i> .....	.	hP	yellow	1	5	Ornamental hardy perennial.
77870 <i>Cacalia coccinea</i> .....	.	hA	scarlet	2	5	(Tassel Flower.) Very pretty annuals; easily grown.
77880 — <i>lutea</i> .....	.	.	orange	.	5	
77890 <i>aurea</i> .....	.	.	yellow	.	5	
77900 <i>Cactus, Mixed</i> .....	.	hhP	mixed	diff.	25	Start in greenhouse in moist sand.
77920 † <i>Calampelis scabra</i> .....	3	†hP	orange	6	10	Fine climber for trellises.
77940 <i>Calandrinia Burridgi</i> .....	2 3	hA	red	1/2	5	Brightly colored little plants; fine for edgings; plant in sunny situations.
77950 <i>speciosa</i> .....	.	.	purple	1/4	5	
77960 <i>umbellata</i> .....	.	hhP	violet	1/2	10	
77980 <i>Calceolaria hybrida</i> — Large-flowered, self-colored .....	.	gP	mixed	2	25	Splendid greenhouse plants, with flowers beautifully striped, blotched and variegated. Our seeds are saved from the finest varieties. Special cultural directions are given on page 64.
77990 — <i>Tigered, or Spotted</i> .....	.	.	.	.	25	
78000 — <i>Dwarf Tigered</i> .....	.	.	.	1	25	
78010 — <i>Tigered and Self-colored</i> .....	.	.	.	2	25	
78020 <i>rugosa</i> (shrubby) .....	.	.	.	1	50	
78040 <i>Calceolaria pinnata</i> .....	.	hA	yellow	.	15	Excellent bedding varieties.
78050 <i>scabiosifolia</i> (californica) .....	.	.	.	.	10	
<i>Calendula</i> .....						See page 68.
78070 <i>Calla æthiopica</i> .....	2	gP	white	2	10	78070 is the White Calla. 78080 is deep yellow with spotted leaves; very desirable.
78080 <i>Elliottiana</i> (20 seeds in pkt.) .....	.	.	yellow	.	25	
<i>Calliopsis</i> .....						See page 68.
78090 <i>Callirhoe involucrata</i> .....	1 3	hP	c. & w.	trail.	10	Free-flowering, of pretty colors. Start in frame early.
78100 <i>pedata</i> .....	.	hA	v. & w.	2	5	
78120 <i>Camellia japonica</i> .....	.	gP	mixed	3	10	Grand greenhouse plant.
<i>Campanula</i> .....						See page 69.
78140 † <i>Canary-Bird Flower</i> .....	2 3	hhA	yellow	10	10	( <i>Tropæolum Canariense</i> ). See page 70.
78160 * <i>Canna, Dark-leaved</i> .....	1 3	gP	mixed	4	5	Cannas, or Indian Shot, are ornamental; much employed in subtropical gardening for groups and masses.
78170 * <i>Queen Charlotte</i> .....	.	.	sc. & yl.	.	10	
78180 * <i>Crozy's Finest Mixed</i> .....	.	.	mixed	3 1/2	10	
78200 <i>Cannabis gigantea</i> .....	.	hhA	.	10	5	(Giant Hemp.) For backs of borders.
<i>Canterbury Bells</i> .....						See <i>Campanula</i> , page 69.
78220 <i>Carduus benedictus</i> .....	2	hA	yellow	2	5	(Blessed Thistle.) Large, variegated leaves; fine for edging. 78230 is Ornamental Thistle. See page 71.
78230 <i>Marianus</i> .....	.	.	purple	2-4	5	
<i>Carnation</i> .....						
78240 <i>Castilleja indivisa</i> .....	2 3	†hhP	b. crim.	1 1/2	25	Ornamental plants, with beautiful bracts. Brilliant crimson.

NUMBER AND NAME <i>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
Castor Oil Plant.....					cts.	See Ricinus, page 90.
78260 <i>Catananche cœrulea alba</i> (bicol.)	2 3	†hP	bl.&wh.	2	10	} Everlasting flowers. Bright colors and free-flowering.
78270 <i>cœrulea</i> .....	. .	. .	blue	. .	10	
Catchfly.....						See Silene, page 115.
78290 <i>Cedronella cana</i> .....	2 3	hP	purple	3	25	Purplish crimson flowers.
78310 * <i>Celosia Huttoni</i> (dark foliage).	3	tA	claret-	. .	15	} Fine for vases; splendid foliage plants.
78320 * <i>Thompsoni magnifica</i> .....	. .	. .	var.	. .	15	
78330 * <i>spicata</i> .....	. .	. .	r. & wh.	1	10	
<i>Celosia Ostrich Feather</i> .....						See page 70.
<i>Celosia cristata</i> .....						See Cockscomb, page 74.
<i>Centaurea</i> .....						See page 72.
78350 <i>Centaureidium Drummondii</i> ...	2	hA	yellow	1½	10	Pretty little Composite.
<i>Centranthus</i> —						
78380 <i>macrosiphon</i> .....oz., 30c.	1 3	. .	red	1	5	} Very pretty free-flowering annuals, suitable for rockeries and vases.
78400 — <i>nanus</i> .....oz., 30c.	. .	. .	red	½	5	
78404 — <i>—albus</i> .....oz., 30c.	. .	. .	white	. .	5	
78410 — <i>Mixed</i> .....oz., 30c.	. .	. .	mixed	1	5	
78460 <i>Cephalaria tatarica</i> .....	1 2	hP	yellow	6	10	Fine for backgrounds and bees.
78480 <i>Cerastium tomentosum</i> .....	2 3	. .	white	trail.	25	} Fine edging plants; pretty.
78490 <i>Biebersteini</i> .....	1	. .	. .	. .	10	
78510 <i>Cerinth retorta</i> .....	. .	hA	yellow	1½	10	} Valuable for bees. Decorative.
78520 <i>Mixed</i> .....	. .	. .	mixed	. .	5	
78540 <i>Chamæpeuce Casabonæ</i> .....	. .	hP	. .	2	10	Fishbone Thistle.
78550 <i>diacantha</i> .....	. .	. .	. .	. .	10	Ivory Thistle.
78560 <i>Chelone barbata coccinea</i> .....	3	†hhP	purple	. .	10	} Very pretty.
78570 — <i>hybrida, Mixed</i> .....oz., 75c.	. .	. .	mixed	. .	10	
78590 <i>Chorizema varium</i> .....	1 3	gS	scarlet	3	25	A fine greenhouse plant.
Christmas Rose .....						See <i>Helleborus niger</i> , page 108.
<i>Chrysanthemum</i> .....						See page 73.
<i>Cineraria hybrida</i> —						
78640 <i>White. Large-flowered</i> .....	1	†gB	white	2	25	} Among the most ornamental and useful of greenhouse plants; very beautiful and showy, the colors being distinct and bright. No. 78676 is a new mixture of large-flowered flesh-colored varieties. Nos. 78690 and 78700 are magnificent large-flowered prize strains.
78650 <i>Azure-Blue Dwarf</i> .....	. .	. .	blue	. .	25	
78660 <i>Crimson, Large-flowered</i> ...	. .	. .	crim.	. .	25	
78670 <i>Blood-Red, Large-flowered</i> ...	. .	. .	d. red	. .	25	
78676 <i>Flesh vars., Large-flowered</i> ..	. .	. .	mixed	. .	50	
78680 <i>Splendid Mixed</i> .....	. .	. .	. .	. .	25	
78690 — <i>—Large-fl'd Half Dwarf</i> ..	. .	. .	. .	1	60	
78700 — <i>—Large-flowered Prize</i> .....	. .	. .	. .	2	60	
78710 — <i>—Double</i> .....	2	. .	. .	. .	75	
78720 <i>stellata (polyantha)</i> .....	. .	. .	. .	. .	25	
78740 <i>Cineraria maritima</i> .....	. .	hhP	yellow	. .	5	} Dusty Miller. No. 78750 has silvery and 78760, pure white foliage.
78750 — <i>candidissima</i> .....	. .	. .	. .	. .	5	
78760 — <i>“Diamond”</i> .....	. .	. .	. .	. .	10	
<i>Clarkia</i> .....						See page 74.
78780 <i>Clary, Purple-top</i> .....	1 2	hA	purple	. .	5	} ( <i>Salvia Horminum.</i> ) Odd but pretty flowers.
78790 <i>Red-top</i> .....oz., 25c.	. .	. .	red	. .	5	
78800 <i>White-top</i> .....oz., 25c.	. .	. .	white	1½	5	
† <i>Clematis</i> —						
78830 <i>Douglasii</i> (not a climber)....	. .	. .	purple	2	5	} (Virgin's Bower.) Excellent for trellises, verandas, etc. 78830 and 78836 are Bush Clematis. <i>C. paniculata</i> is fragrant, rapid-growing, free-blooming. For other sorts, see <i>Tree Seeds</i> .
78836 <i>Davidiana</i> (not a climber)...	2 3	hP	lav.	2-3	10	
78840 <i>flammula</i> .....	. .	. .	white	15	5	
78850 <i>Jackmanni hybrids</i> .....	. .	. .	vars.	10	10	
78860 <i>paniculata</i> .....	. .	. .	white	10-40	10	
78880 * <i>Cleome pungens</i> .....	1 3	tB	pink	2	10	
78890 * <i>speciosa</i> .....	. .	hA	purple	. .	10	
78910 <i>Clianthus Dampieri</i> .....	1 2	gS	scarlet	3	15	} Greenhouse plants, with pea-shaped flowers. Soak seeds in hot water before sowing.
78920 <i>punicus</i> .....	. .	. .	crim.	6	15	
78940 <i>Clintonia (Downingia) pulchella</i>	2	hA	tricolor	½	25	Very pretty for edgings.
78960 † <i>Clitoria ternatea</i> .....	2 3	hB	blue	15	10	} Beautiful greenhouse and conservatory climber.
78970 — <i>alba</i> .....	. .	. .	white	. .	10	

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
78990 † <i>Cobæa scandens</i> .....oz., 75c.	2 3	†tP	purple	20	10	Rapid-growing; start in the house.
79000 — <i>alba</i> .....oz., \$1	. . .	. . .	white	. . .	15	
79010 — <i>macrostemma</i> .....	. . .	. . .	violet	. . .	25	
79030 † <i>Coccinia indica</i> .....	. . .	tA	red	6	10	Ornamental gourd marked with white lines, turning scarlet. See page 74.
Cockscomb.....	. . .	. . .	. . .	. . .	. . .	
79050 <i>Coffea arabica</i> .....	. . .	gS	white	5	25	Coffee Tree. Very ornamental. White fl'rs, scarlet berries.
79070 * <i>Coleus</i> . Fine hybrids.....	. . .	gP	mixed	2	25	
COLLECTIONS, including—						Splendid bedding plants, with beautifully colored foliage. Very useful for decorative purposes.
79090 12 varieties <i>Coleus</i> .....	. . .	. . .	. . .	. . .	\$1 25	
79100 6 varieties <i>Coleus</i> .....	. . .	. . .	. . .	. . .	75	
79130 <i>Collinsia bartsiaefolia</i> .oz., 25c.	2	hA	purple	1	5	Free-flowering Annuals. If sown in autumn, will stand the winter and flower early in spring. All the species are brightly colored, and excellent for growing in patches or clumps; easily grown in any garden soil.
79140 — <i>bicolor</i> .....oz., 25c.	1 2	. . .	p. & w. white	1 1/2	5	
79150 — <i>alba</i> .....oz., 25c.	. . .	. . .	white	. . .	5	
79160 — <i>candidissima</i> .....oz., 25c.	2	. . .	. . .	1	5	
79170 — <i>grandiflora</i> .....oz., 25c.	. . .	. . .	blue	. . .	5	
79180 — <i>multicolor</i> .....oz., 25c.	. . .	. . .	w. & ro.	. . .	5	
79190 — <i>marmorata</i> .....oz., 25c.	2 3	. . .	. . .	. . .	5	
79200 — <i>verna</i> .....oz., 40c.	1 3	. . .	bl. & p.	1/2	5	
79210 — <i>Mixed</i> .....oz., 25c.	. . .	. . .	mixed	2	5	
79240 <i>Collomia coccinea</i> .....oz., 25c.	2 3	. . .	s. & y.	. . .	5	
79250 — <i>grandiflora</i> .....oz., 25c.	. . .	. . .	yellow	. . .	5	Fine for bees; suitable for massing. See Aquilegia, page 67.
Columbine.....	. . .	. . .	. . .	. . .	. . .	
79270 <i>Commelyna cœlestis</i> .....	1	hhP	blue	1	5	Showy, favorite plants for pots and gardens, where they grow finely.
79280 — <i>alba</i> .....	. . .	. . .	white	. . .	10	
79290 *— <i>variegata</i> .....	. . .	. . .	var.	2	5	
† <i>Convolvulus</i> , Tall—						Pretty; fine for baskets; good for screens. 79340 has large flowers in great variety of exquisite colorings and handsome foliage. For Japanese Morning-Glory, see page 81.
79320 — <i>aureus superbus</i> .....	2 3	hhA	gold	5	10	
79330 — <i>major, Morn'g-Glory</i> .oz., 20c.	. . .	hA	mixed	10	5	
79340 — <i>Double Morning-Glory</i> .oz., 40c.	. . .	. . .	. . .	. . .	10	
79350 — <i>mauritanicus</i> .....	. . .	hP	blue	trial.	10	
<i>Convolvulus</i> , Dwarf—						These are fine Dwarf Morning-Glories for growing in clumps or beds, or for edging, and well adapted for rockeries and hanging baskets; bloom for a long time.
79380 — <i>tricolor</i> .....oz., 25c.	1 3	hA	blue	1	5	
79390 — <i>White</i> .....oz., 25c.	. . .	. . .	white	. . .	5	
79400 — <i>unicaulis</i> .....oz., 25c.	. . .	. . .	purple	. . .	5	
79410 — <i>Crimson-violet</i> .....oz., 25c.	. . .	. . .	crim-v.	. . .	5	
79420 — <i>Rose</i> .....oz., 25c.	. . .	. . .	rose	. . .	5	
79430 — <i>Mixed</i> .....oz., 25c.	. . .	. . .	mixed	. . .	5	
COLLECTION, including—						Beautiful foliage plants for vases or decorations. See Calliopsis, page 68.
79460 8 vars. <i>Convolvulus minor</i> ....	. . .	. . .	. . .	. . .	35	
79480 * <i>Cordylina australis</i> .....	3	gS	white	3	15	Beautiful foliage plants for vases or decorations. See <i>Centaurea Cyanus</i> , page 72.
79490 *— <i>indivisa lineata</i> .....	. . .	. . .	. . .	10	10	
Coreopsis.....						See <i>Centaurea Cyanus</i> , page 72.
Cornflower.....						
79520 <i>Cosmidium Burridgeanum</i> .....	2	hA	orange	2	5	Very showy. See page 74.
Cosmos.....						
79540 Cotton ( <i>Gossypium</i> ).....	2 3	tA	yellow	3	5	Curious; for pots and gardens. Favorite spring flower.
79560 Cowslip ( <i>Primula officinalis hybrida</i> ).....	1	hP	mixed	1/2	10	
79580 <i>Crucianella stylosa</i> .....	2	. . .	cr. pink	. . .	5	Crosswort.
† <i>Cucumis</i> —						Of extremely rapid growth, bearing curious fruits. 79610 is the Rag or Dish-cloth Gourd, the peculiar interior of which is useful in the kitchen when properly prepared. See Gourds, page 108.
79600 — <i>erinaceus</i> (Hedge-hog Gourd)	2 3	hhA	yellow	8	10	
79610 — <i>acutangulus</i> (Rag Gourd)....	2	. . .	. . .	. . .	5	
79620 — <i>flexuosus</i> (Snake Cucumber).	2 3	. . .	. . .	10	5	
79630 — <i>grossulariaeformis</i> (Goose-berry Gourd).....	2	. . .	. . .	6	10	
79660 — <i>odoratissimus</i> (Pomegranate Melon).....	. . .	. . .	. . .	. . .	5	
79680 — <i>perennis</i> (very fine).....	2 3	hhP	. . .	15	10	
Cucurbita.....						See Gourds, page 108.

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
79700	Cuphea miniata	3	†hhP	crim.	1	10	These are very pretty greenhouse plants, and are also good for the border, being continually in bloom. No. 79710 is well known as "Cigar Plant."
79710	platycentra	1 3	.	s. & w.	.	25	
79720	purpurea, Mixed	3	.	mixed	.	5	
79730	eminens.	.	.	s. & y.	1½	10	
79740	Rœzlii	1 3	.	yel. & r.	1	25	
79750	strigulosa	.	.	violet	.	25	
Cyclamen giganteum— 100 sds.							Sow seed in small boxes or seed pans, in a compost of well-rotted manure, leaf-mould and sand. Cover lightly with moss, which remove after seed germinates. Prick out into small pots when the plants have two leaves. They flower in 10 or 12 months. 79800 is a beautiful sort, fringed white and pink. No. 79784 is a fine white sort with red eye.
79780	—album "Mont Blanc" . . . \$1	1	gBu	white	¾	25	
79784	—albo-rubrum. . . \$1	.	.	w. & r.	.	25	
79790	—atropurpureum. . . \$1	.	.	d. red	.	25	
79800	—Aurora Borealis . . . \$1.25	.	.	w. & p.	.	25	
79804	—cardinal. . . \$1	.	.	cardinal	.	25	
79810	—superbum. . . \$1	.	.	w. & r.	.	25	
79820	—lilacinum. . . \$1	.	.	lilac	.	25	
79830	—roseum, bright rose. . . \$1	.	.	rose	.	25	
79840	—Salmon Queen. . . \$1.25	.	.	salmon	.	25	
79850	—Mixed. . . \$1	.	.	mixed	.	25	
79860	Persicum. . . \$1.50	.	.	.	¼	10	
79870	—Papilio. . . \$1.50	.	.	.	¾	25	
79900	†Cyclanthera explodens	2	hhA	yellow	8	10	Beautiful climber.
79920	Cyperus alternifolius	1	tP	apricot	2	15	Perennial greenhouse or window plant of elegant habit. See <i>Ipomœa Quamoclit</i> , p. 79.
Cypress Vine. . . . .							
79940	Dahlia, Double Mixed. oz., \$1.25	3	†hhP	mixed	6	10	All the varieties are fine. "Jules Chretien" is a very dwarf, single strain, growing from 10 to 15 inches high, and flowering the first season from seed. Valuable bedding sort, flowering through the summer from June to October in great profusion. Also fine for pots. 79950 has very large, mauve-colored flowers veined with pink; quite distinct. 79990 has flowers over 6 inches across.
79950	Imperialis (The Lily Dahlia)	.	.	mauve	10	25	
79960	Single Mixed . . . . . oz., 50c.	.	.	mixed	.	10	
79970	Cactus, Mixed . . . . . oz. \$1.50	.	.	.	3	10	
79976	coronata. Sweet-scented	2 3	hA	or. yel.	.	25	
79980	"Lucifer" Single (Black foliage)	3	†hhP	dk. red	2½	10	
79990	"Monarch" Cactus	.	.	.	6	10	
80000	Dwarf Single, fine strain. . . oz., \$1	.	.	mixed	1½	10	
80010	Jules Chretien, dwarf . . . oz., \$1	2 3	.	scarlet	1	10	
80020	Single Collar (Collarette)	.	.	varies	3-4	10	
80040	"Fiery Star." Fine Single	1 2	.	scarlet	1	10	
80050	variabilis, Giant Hybrids	.	.	mixed	6	10	
COLLECTIONS, including—							
80070	6 vars. Single Dahlia	.	.	.	.	60	
Daisy, English, Shasta, etc.							See page 75.
Daisy, Paris							See <i>Chrysanthemum frutescens</i> , page 73.
Daisy, Swan River							See Brachycome, page 102.
80100	Daphne Mezereum	.	hS	pink	3-4	25	Early-flowering and scented.
80110	Datura metelloides (Wrighti)	1 2	hhA	w. & li.	.	5	Very showy and large trumpet-shaped flowers. 80120 has immense flowers, beautifully colored. Golden Queen is a splendid double, bright yellow and showy variety.
80120	cornucopia	.	.	violet	.	5	
80130	Golden Queen fl. pl.	.	.	yellow	.	5	
80140	humilis flava fl. pl.	.	.	.	.	5	
80150	fastuosa, Double White	.	.	white	.	5	
80160	—Double Violet	.	.	violet	.	5	
Delphinium							See page 75.
Dianthus							See Pink, Carnation, Picotee.
80210	Dictamnus Fraxinella	.	hP	red	2	10	(Gas Plant.) The leaves, when rubbed, have a lemon odor. Leave undisturbed for years.
80220	—album	.	.	white	.	10	
80230	—Mixed	.	.	mixed	.	10	
Didiscus							See Trachymene, page 116.
Digitalis							See Foxglove, page 77.
80250	Dimorphotheca aurantiaca	1	hA	orange	1-1½	10	(African Orange Daisy.) Fine.
80260	†Dolichos Lablab. . . . . oz., 20c	.	hA	purple	10	5	(Hyacinth Bean.) Rapid-growing and free-flowering; good for screens. No. 80300 is a most beautiful large white-flowered variety from Japan. In sunny situations 80310 is good for flower and foliage.
80270	—album. . . . . oz., 20c.	.	.	white	.	5	
80280	—Mixed . . . . . oz., 20c.	.	.	mixed	.	5	
80290	giganteus.	.	.	white	.	10	
80300	japonicus, "Daylight"	.	.	.	.	10	
80310	Purple Soudan	.	.	purple	.	10	

NUMBER AND NAME <i>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
80340 <i>Doronicum caucasicum</i> . . . . .	1 2	hP	yellow	2	25	Large yellow flowers.
80360 * <i>Dracæna Draco</i> . . . . .	2	gP	white	10	25	See Cordyline. Ornamental greenhouse plants, with elegant leaves; very rich and desirable.
80380 * <i>indivisa lineata</i> . . . . . 100 seeds, 50c.	.	.	.	.	10	
80410 <i>Dracocephalum moldavicum</i> . . . . .	3	†hP	blue	2	5	(Balm). Fine for bees.
80430 <i>Echeveria secunda</i> . . . . .	2	gP	yellow	1/4	25	Interesting greenhouse succulents; largely used for "carpet" bedding. <i>E. Purpusi</i> is a hardy species; flowers red, with orange center and foliage white-powdered.
80440 <i>metallica</i> . . . . .	.	.	.	.	25	
80450 <i>agavoides</i> . . . . .	.	.	.	.	25	
80460 <i>Purpusi (splendid)</i> . . . . .	.	hP	red	.	25	
80500 † <i>Echinocystis lobata</i> . . . . ., 30c	2	hP	green	12	5	(Wild Cucumber.)
80520 <i>Echinops Ritro</i> . . . . .	.	.	blue	2	10	Fine for bees.
80540 <i>Elsholtzia cristata</i> . . . . .	.	hA	lilac	1 1/2	10	Fine for bees.
80560 <i>Emmenanthe penduliflora</i> . . . . .	2	.	yellow	1	25	"California Golden Bells."
80580 <i>Epacris hybrida superba</i> . . . . .	1 2	gS	mixed	div.	50	Free-blooming, like Heath.
80600 <i>Eremurus himalaicus</i> . . . . .	.	hhP	white	7	25	Strikingly handsome.
80620 <i>Erica (Heath), Finest Mixed</i> . . . . .	.	gS	mixed	2	25	Charming greenhouse shrubs.
80640 <i>Erigeron aurantiacum</i> . . . . .	.	hP	orange	1	10	(Double Orange Daisy.)
80660 <i>Erinus alpinus</i> . . . . .	2	.	blue	1/4	25	Beautiful for baskets.
80680 <i>Eryngium cœlestinum</i> . . . . .	2 3	.	.	1 1/2	10	Beautiful sky-blue flowers.
80690 <i>giganteum</i> . . . . .	.	.	.	4	10	Silver Thistle.
80710 <i>Erysimum arkansanum</i> .oz., 25c.	1 2	hA	yellow	.	5	Free-flowering; of bright colors and neat habit.
80720 <i>Perofskianum</i> . . . . ., 25c.	.	.	orange	.	5	
80740 <i>Erythrina Crista-galli</i> . . . . .	2 3	gS	scarlet	.	10	((Coral Tree.) Fine greenhouse shrub. See page 76.
<i>Eschschooltzia</i> . . . . .	.	.	.	.	.	
80760 <i>Eucharidium grandiflorum</i> . . . . .	1 2	hA	rose	1	5	Graceful little plant. Fine for edging and pots. Showy.
80790 <i>Eupatorium Fraseri</i> . . . . .	3	†hP	white	.	10	
80810 * <i>Euphorbia marginata</i> .oz., 40c.	.	hA	w. & gr.	2	5	Very pretty. Showy. 80840 is the Mountain Spurge.
80820 <i>heterophylla</i> . . . . .	2 3	.	carmine	.	10	
80830 <i>pulcherrima (Poinsettia)</i> . . . . .	.	gS	ver. red	2-6	25	
80840 * <i>robusta</i> . . . . .	.	hP	w. & gr.	1	25	
80860 <i>Eutoca multiflora</i> . . . . .	.	hB	pink	.	5	Good serviceable flowering plants for bedding; free-blooming.
80870 <i>viscida</i> . . . . .	1 3	hA	blue	.	5	
80880 <i>Wrangeliana</i> . . . . .	.	.	.	.	5	
80890 <i>Mixed</i> . . . . .	.	.	mixed	.	5	
80910 <i>Fenzlia dianthiflora</i> . . . . .	1 2	.	rose	1/4	25	For ribbon gardening or pots.
80920 <i>—alba</i> . . . . .	.	.	white	.	25.	
80930 Ferns, Mixed . . . . .	.	gP	.	.	25	Sow in fine, sifted, sandy, peaty loam, covering the pots with pieces of glass. See <i>Matricaria</i> , page 111. See <i>Linum</i> , page 110. See page 76.
COLLECTION, including 12 of the finest sorts . . . . .	.	.	.	.	\$1 25	
80940 <i>Feverfew</i> . . . . .	.	.	.	.	.	
<i>Flax</i> . . . . .	.	.	.	.	.	
<i>Forget-me-not (Myosotis)</i> . . . . .	.	.	.	.	.	
80970 <i>Four O'clock, Hybrid</i> .oz., 20c.	2 3	hA	mixed	2	5	(Mirabilis.) Called Four O'clocks because they open their blossoms at that hour in the afternoon. They are also known as "Marvel of Peru." Handsome, free-flowering, sweet-scented; blossoms variegated, striped and various colors.
80980 <i>longiflora alba</i> . . . . ., 25c.	2	.	white	.	5	
80990 <i>Variegated-leaved</i> . . .oz., 20c.	2 3	.	mixed	.	5	
81000 <i>Tom Thumb, White</i> .oz., 30c.	.	.	white	1	5	
81010 " " <i>Mixed</i> .oz., 30c	.	.	mixed	.	5	
COLLECTIONS, including—	.	.	.	.	.	
81030 12 vars. <i>Four O'clock</i> . . . . .	.	.	.	.	45	flowering, sweet-scented; blossoms variegated, striped and various colors.
81040 6 " " " . . . . .	.	.	.	.	30	
81050 6 " " " <i>Stripe-l'vd</i>	.	.	.	.	25	
<i>Foxglove</i> . . . . .	.	.	.	.	.	See page 77.
81070 <i>Fragaria indica</i> . . . . .	1 2	hP	yellow	traf.	10	Beautiful scarlet fruit.
81090 <i>Freesia refracta alba</i> . . . . .	3	gBu	white	2	5	Very sweet-scented flowers.

NUMBER AND NAME <i>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
81110 Fuchsia procumbens (for vases)	I 3	gS	blue	traill	25	("Ladies' Eardrop.") Well-known greenhouse plants. They require a firm, rich soil and a shady location.
81120 triphylla. Dark-leaved.....	. . .	. . .	scarlet	. . .	50	
81130 hybrida. Finest Mixed Single	. . .	. . .	mixed	div.	50	
81140 —Finest Mixed Double . . . .	. . .	. . .	. . .	. . .	50	
81150 Double and Single Mixed . . .	. . .	. . .	. . .	. . .	50	
81160 COLLECTIONS, including 12 best varieties, 10 seeds of each..					\$1 25	
<b>Gaillardia</b> . . . . .						
81180 Galega officinalis . . . . .	I 2	hP	blue	3	5	Tall, ornamental plants, suitable for borders or cutting.
81190 —alba . . . . .	. . .	. . .	white	. . .	10	
81210 Gamolepis Tagetes . . . . .	I	hhA	yellow	. . .	10	Fine for beds.
81230 Gardenia Thunbergii . . . . .	. . .	gS	white	2	25	Flowers very fragrant.
81240 florida . . . . .	2 3	. . .	p. yel.	4	10	Cape Jasmine.
81260 Gaura Lindheimeriana .oz., 50c.	I 2	hP	w. & r.	3	10	Very effective in clumps.
81270 coccinea . . . . .	3	. . .	scarlet	1/2	10	
81290 Genista canariensis . . . . .	2	tP	yellow	2	10	Ornamental and free-flowering
81310 Gentiana acaulis . . . . .	I	hP	d. blue	1/4	25	Showy, hardy plants. Valued for their beautiful flowers. 81320 wonderfully floriferous. 81340 is "Bottle Gentian."
81320 Bigelovii . . . . .	2 3	. . .	blue	1/4	10	
81330 cruciata . . . . .	I	. . .	. . .	I	10	
81340 Andrewsii . . . . .	2 3	. . .	pur. bl.	. . .	50	
81350 crinita . . . . .	2	hB	blue	1/2	50	
81360 Geranium (Zonale) . . .oz., 75c.	I 3	gP	scarlet	1 1/2	10	The most popular of bedding plants. See, also, Pelargonium, page 112.
81370 Double Scarlet . . . . .	. . .	. . .	. . .	. . .	50	
81380 Apple-scented . . . . .	. . .	. . .	pink	. . .	25	
81400 Geranium sanguineum . . . . .	. . .	hP	purple	I	25	
81430 Gerbera Jamesoni (15 s'd in pkt.)	2	hhP	scarlet	2	25	Quite distinct. Scarlet Transvaal Daisy. No. 81440, fine new hybrids of G. Jamesoni, varying from pure white through shades of yellow, pale red and salmon to orange-rose, cherry-red, etc.
81440 —hybrida (new) . . . . .	. . .	. . .	mixed	. . .	50	
81450 Gesneria macrantha . . . . .	I	gP	scarlet	1/2	25	Beautiful greenhouse plants, with long-tubed flowers.
81460 Extra Mixed . . . . .	2	. . .	mixed	. . .	25	
81480 Geum chilense coccineum pl. . . .	. . .	hP	scarlet	1 1/2	15	Blooms freely for a long time. Fine for bouquets.
81490 —atrosanguineum fl. pl. . . . .	. . .	. . .	. . .	. . .	10	
81510 Gilia achilleifolia . . . . .	I 2	hA	blue	I	5	Free-blooming annuals; fine for beds. Will bloom in any situation, look well on lawns in beds, are good for rockeries, and can be planted at any season.
81520 —alba . . . . .	. . .	. . .	white	. . .	5	
81530 —rosea . . . . .	. . .	. . .	rose	. . .	5	
81540 capitata . . . . .	. . .	. . .	blue	. . .	5	
81550 —alba . . . . .	. . .	. . .	white	. . .	5	
81560 laciniata . . . . .	. . .	. . .	. . .	1/2	5	
81570 liniflora (for borders) . . . . .	. . .	. . .	. . .	. . .	5	
81580 nivalis . . . . .	. . .	. . .	. . .	I	5	
81590 tricolor . . . . .	. . .	. . .	tricolor	. . .	5	
81600 —rosea splendens . . . . .	. . .	. . .	rose	. . .	5	
81610 Mixed . . . . .oz., 25c.	. . .	. . .	mixed	. . .	5	
81630 Glaucium luteum . . . . .	2 3	†hP	yellow	4	5	
81640 Burbank's Hybrids . . . . .	. . .	. . .	vars.	. . .	10	
<b>Globe Amaranth</b> . . . . .						
81660 Globularia trichosantha . . . . .	2	gP	blue	1/2	10	A very handsome plant.
81680 Gloxinia hybrida, Mixed . . . . .	I 3	†gP	mixed	. . .	50	Greenhouse plants. They grow well in a light, rich soil. "Defiance" is of an intense, glowing scarlet. "Cyclops" and "Goliath" are fine varieties. If started inside in February, will bloom in summer.
81690 —crassifolia erecta . . . . .	. . .	. . .	. . .	. . .	50	
81700 —horizontalis . . . . .	. . .	. . .	. . .	. . .	50	
81710 —grandiflora, "Defiance" . . . . .	. . .	. . .	scarlet	. . .	50	
81720 —French Tigered and Spotted . . . . .	. . .	. . .	. . .	. . .	50	
81730 —gigantea, "Cyclops" . . . . .	. . .	. . .	spotted	. . .	50	
81740 ——"Goliath" . . . . .	. . .	. . .	car.& w	. . .	50	
81740 ——"Goliath" . . . . .	. . .	. . .	v. & w.	. . .	50	
<b>Godetia</b> . . . . .						
<b>Golden Feather</b> . . . . .						
81760 Gomphrena globosa . . . . .	2 3	hA	red	I	5	The Globe Amaranths are among the most popular of the Everlastings. Their round heads of flowers are also called "Bachelor's Buttons." An old favorite for
81770 —alba . . . . .	. . .	. . .	white	. . .	5	
81780 —carnea . . . . .	. . .	. . .	pink	. . .	5	
81790 —variegata . . . . .	. . .	. . .	striped	. . .	5	
81800 —nana compacta rubra . . . . .	. . .	. . .	v. red	1/2	5	
81810 ——"alba . . . . .	. . .	. . .	white	. . .	5	

NUMBER AND NAME <i>See 1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
<b>Gomphrena globosa</b> , continued					cts.	
81820 —Mixed	2 3	hA	mixed	1	5	winter bouquets. The best soil is a mixture of sandy loam, stable manure and some silver sand.
81830 aurea superba			orange		5	
81840 COLLECTION, including 6 varieties Globe Amaranth					30	
81860 <b>Gourd</b> , Mock Orange	2	tA	yellow	15	5	Excellent for covering verandas or trellis-work, and for training over arbors, fences, etc. Of rapid growth, with curious fruits and highly ornamental foliage. Cultivate same as melons. No. 81920 is the Chinese Luffa; the interior is useful as a sponge. No. 81884 is the Pipe Gourd. No. 81894 produces ball-shaped fruits 3 to 4 in. diam. with handles 2 to 3 ft. long.
81870 Apple-shaped				10	5	
81874 Egg-shaped					5	
81880 Pear-shaped					5	
81884 Calabash, Solace					10	
81890 Hercules' Club				15	5	
81894 Knob-Kerrie Gourd			gr. & yl.		10	
81900 Sugar Trough					5	
81910 lagenaria (Bottle Gourd)					5	
81920 Dish-cloth				8	5	
81930 Mixed				10-15	5	
81940 COLLECTION, including 12 varieties Gourds, small					50	
81960 <b>Grammanthes gentianoides</b>		hhA		1/2	10	For edging, pots, or baskets.
81980 <b>Grevillea robusta</b> . . . . . oz., 8oc.	1 2	gS	orange	5	10	(Silk Oak.) Graceful foliage.
82000 <b>Gunnera manicata</b>		hP	red	6	25	Decorative lawn plants, with leaves 7 to 8 feet long.
82010 scabra				4	25	
82030 <b>Gypsophila elegans alba pura</b> . . . . . oz., 3oc.		hA	white	2	5	Fine for bouquets. Free bloomers for rockwork or shrubbery; will grow in any soil. No. 82070 is known as "Baby's Breath." 82044 is a splendid free-flowering carmine-rose variety.
82034 — —Large-flowering					10	
82040 —rosea . . . . . oz., 3oc.			rose		5	
82044 —carminea . . . . .			car.-rose	1	10	
82050 cerastioides . . . . .		hP	white	1/2	10	
82060 muralis . . . . . oz., 5oc.		hA	pink		10	
82070 paniculata . . . . . oz., 5oc.		hP	white	2	10	
82090 <b>Hawkweed</b> , Golden	3	hA	yellow		5	(Crepis.) Showy plants, of free growth; varied colors.
82100 Red			red		5	
82110 White			white		5	
82140 <b>Hedysarum coronarium</b>		†hB	red	3	5	So-called "French Honeysuckle," but no relation to that vine. Not a climber. No. 82160 is Sweet Broom.
82150 —album			white		5	
82160 MacKenziei		hP	br. rose		10	
82170 <b>Helenium autumnale superbum</b>			gol. yel.	5-6	10	(Sneezeweed.) Fine for cutting.
82200 <b>Helichrysum bracteatum</b>	2 3	hA	yellow	2	5	("Eternal Flowers.") The flowers are greatly admired, being large and the colors bright. They are highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded, and suspended with their heads downward in a cool shed. Succeed best in rich, loamy soil.
82210 —album			white		5	
82220 —atrosanguineum nanum			d. red	1	5	
82230 —atrococcineum nanum			d. scar.		5	
82240 —Mixed			mixed	2	5	
82250 monstrosum, Double					10	
82260 —Dwarf Double				1/2	10	
82280 COLLECTIONS, including— 6 vars. Double					30	
82290 6 vars. Dwarf					30	
82310 <b>Heliopsis Pitcheriana</b>	1 2	hhP	gol. yel.	2-3	10	
82330 <b>Heliotropium peruvianum</b>	1 3	gP	purple	2	10	(Heliotrope.) These well-known greenhouse and bedding favorites are highly valued for their scented flowers. Should have light, rich soil. No. 82370 has black stems and bronze-green foliage, almost black.
82340 Mad. de Blonay			white		10	
82350 Lemoine's Giant, Mixed			mixed		15	
82360 White Lady			white		10	
82370 Midnight			v.-pur.		25	
82380 Voltaireanum			d. pur.		10	
82390 Fine Mixed . . . . . oz., \$1.50			mixed		10	
82400 Dark-leaved Sorts, Mixed					10	
82410 COLLECTIONS, including— 12 best varieties					90	
82420 6 best varieties					50	
82440 <b>Helipterum Sanfordii</b>	2	tA	yellow	1	5	Resemble Helichrysum, and are useful in the same way.
82450 corymbiflorum			white		5	
82470 <b>Helleborus niger</b>	1 2	hP	pink		10	(Christmas Rose.) Very desirable; spring-flowering.
82480 —Hybrids			mixed		25	
<b>Hesperis</b>						See Rocket, page 114.



NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
<i>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>							
82500	<i>Heuchera sanguinea</i> . . . . .	2 3	hP	crim.	1	15	} Nothing more beautiful for cut-flowers.
82504	— <i>hybrida mixed</i> . . . . .			mixed		15	
82510	— <i>splendens</i> . . . . .			d. red		25	} No. 82550 is the Rose of Sharon. No. 82570 has very large flowers of sulphur color, with purple center. No. 82584 is Pink Marvel.
82540	<i>Hibiscus africanus</i> . . . . . oz., 25c.		hA	yl. & br.	2	5	
82550	<i>Syriacus</i> , Double . . . . . oz., 20c.		hS	w. & p.	6	5	
82560	Crimson Eye . . . . .		hA	w. & cr.		10	
82570	Golden Bowl . . . . .			l. yel.	4	10	
82580	<i>moscheutos roseus</i> . . . . .		hP	rose	3	5	} See page 78.
82584	Mammoth Pink . . . . .	3		pink	6	25	
	Hollyhock . . . . .						} Pretty. Curious silvery silicles. See <i>Glaucium luteum</i> , page 107.
82610	Honesty ( <i>Lunaria biennis</i> ) oz., 30c		†hB	purple	2	5	
	Horned Poppy . . . . .						} Sweet-scented. Should be kept in pots the first season.
82630	<i>Humea elegans</i> . . . . .	1 3	†hhP	rose	5	15	
82640	— <i>albida</i> . . . . .			white		15	} (Climbing Hop.) No. 82670 has beautiful variegated foliage.
82660	† <i>Humulus japonicus</i> . . . . . oz., 40c.	3	tA	green	15-20	5	
82670	— <i>variegatus</i> . . . . . oz., 40c.					10	} Large, showy flowers; fine.
82690	<i>Hunnemannia fumariæfolia</i> . . . . .	2 3	hA	yellow	1	10	
82710	<i>Hyacinthus candicans</i> . . . . .		hBu	white	2-3	5	A fine summer Hyacinth.
82730	<i>Hypericum elegans</i> . . . . .	3	hP	yellow	1½	10	Green leaves; large flowers.
	Iberis . . . . .						See Candytuft, page 70.
82750	Ice Plant ( <i>Mesembryanthemum crystallinum</i> ) . . . . . oz., 30c.	2 3	tA	white	½	5	} Covered with watery vesicles resembling pieces of ice. See also <i>Mesembryanthemum</i> .
82770	<i>Impatiens glanduligera</i> . . . . .	2		purple		10	
82780	<i>Holstii</i> . . . . .			v.-red	2	25	} (Touch-me-not.) Beautiful. 82780 resembles 82800 but grows quicker and flowers are larger. 82800 is good for house culture. 82790 a splendid mixture of finest colors.
82790	— <i>hybrida</i> . . . . .			mixed		25	
82800	Sultani . . . . .	2 3	gP	carmine	1	25	} Trumpet flowers. Very beautiful. Fine hardy perennials.
82810	—Queen Carola, chamois . . . . .			chamois		25	
82820	— <i>hybrida</i> , Mixed . . . . .			mixed		25	
82840	* <i>Incarvillea Delavayi</i> . . . . .		hP	r. car.	1-2	25	} Trumpet flowers. Very beautiful. Fine hardy perennials.
82850	<i>grandiflora</i> . . . . .	1 2		d. pur.		25	
82860	<i>variabilis</i> . . . . .			rose		15	
82880	<i>Inula glandulosa grandiflora</i> . . . . .	2 3		orange	2	25	Splendid hardy perennial.
82900	<i>Ionopsisidium acaule</i> . . . . .	1 3	†hhP	lilac	¼	15	} (Diamond Flower.) Exceedingly pretty little plant. See page 79.
	<i>Ipomœa</i> . . . . .						
82920	<i>Ipomopsis elegans</i> . . . . .	2 3	tB	scarlet	3	10	} Showy and beautiful; colors very bright. Seeds should be started in the house.
82930	— <i>aurantiaca</i> . . . . .	3		orange	1½	10	
82940	— <i>sanguinea</i> . . . . .	1 3	hB	scarlet		10	
82950	—Mixed . . . . .			mixed	3	10	
82970	<i>Iris Kæmpferi</i> . . . . .	1 2	hP		2	10	Hardy herbaceous perennials.
83010	Jacob's Ladder . . . . . oz., 25c.	1		blue	1	5	} ( <i>Polemonium</i> .) Beautiful, hardy, old-fashioned flower.
83020	White . . . . . oz., 25c.			white		5	
83040	<i>Jacobæa</i> , White <i>Senecio</i> . . . . .		hA			5	} The <i>Senecios</i> are all free-flow-ering plants, good for the border and for pots.
83050	Purple <i>Senecio</i> . . . . .			purple		5	
83060	Mixed . . . . .			mixed		5	
83070	COLLECTIONS, including 6 varieties Dwarf Double . . . . .					35	
	Job's Tears . . . . .						See <i>Coix Lacryma</i> , page 118.
	*Joseph's Coat . . . . . oz., 30c.	3	tA	red	2½	5	See <i>Amarantus</i> , page 100.
83090	<i>Kaulfussia amelloides</i> . . . . .	2	hA	blue	1	10	} Fine for edging; good habit and color. The high colors are best for pots.
83100	— <i>atroviolacea</i> . . . . .			d. v.		10	
83110	— <i>kermesina</i> . . . . .			v. red		10	
83120	—Mixed . . . . . oz., 60c.			mixed		10	
83140	† <i>Kennedyæ cœrulea</i> . . . . .	1 2	gP	blue	12	10	} These are fine, profuse bloom-ers for the greenhouse. Do best in sandy loam.
83150	Marryatæ . . . . .	1 3		scarlet	4	10	
83160	<i>rubicunda</i> . . . . .	1 2		d. red		10	
83170	<i>Comptoniana</i> . . . . .			purple		10	
83190	<i>Kochia trichophylla</i> . . . . . oz., 40c.		hA	green	2½	10	} Improved Summer Cypress. Beautiful decorative bush.
83210	†Kudzu Vine . . . . .	2 3	hP	purple	40	10	
83230	<i>Lantana</i> , Fine Mixed . . . . .	1 3	gS	mixed	2	5	} ( <i>Pueraria Thunbergiana</i> .) Japan climber.
83234	— <i>hybrida nana compacta</i> . . . . .				1	10	

NUMBER AND NAME <small>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
83250 †Lapageria rosea . . . . . Larkspur . . . . .	1 2	gP	rose	15	cts. 50	Beautiful greenhouse climber. See Delphinium, page 75.
83270 Lasthenia californica . . . . . Lathyrus . . . . .	. .	hA	yellow	1	5	Pretty yellow Composite. See Sweet Peas, page 96.
83290 Lavatera trimestris . . . oz., 25c.	2	hA	red	2	5	} Showy and free-flowering. <i>L. arborea variegata</i> has beautifully mottled foliage. Form decorative plants first season from seed started indoors.
83300 —alba . . . . . oz., 25c.	. .	. .	white	. .	5	
83320 arborea variegata . . . . .	. .	tA	red	3	10	
83350 Layia elegans . . . . . Lemon Verbena . . . . .	. .	hA	y. & w.	1	10	Pretty yellow and white flower. See page 95.
83390 Leontopodium alpinum . . . . .	3	hP	white	½	15	(Edelweiss.) From the Alps.
83410 Leptosyne maritima . . . . .	. .	hhA	. .	2	10	} Beautifully formed flowers and elegant foliage. 83420 has large golden flowers.
83420 Stillmani . . . . .	. .	. .	golden	. .	10	
83440 Leptosiphon aureus . . . . .	2	hA	orange	½	10	} Fine for edging or rockeries; blooms in masses. <i>L. carmineus</i> has very beautiful carmine flowers.
83450 androsaceus . . . . .	. .	. .	blue	1	5	
83460 —albus . . . . .	. .	. .	white	. .	5	
83470 carmineus . . . . .	. .	. .	carmine	. .	10	
83480 densiflorus . . . . .	. .	. .	blue	. .	10	
83490 —albus . . . . .	. .	. .	white	. .	10	
83500 hybridus . . . . .	1 3	. .	mixed	. .	10	
83510 Mixed . . . . . oz., 40c.	. .	. .	. .	. .	5	
83530 Liatris pycnostachia . . . . .	3	hP	purple	3-4	15	Kansas Blazing Star. Pretty.
83550 Limnanthes Douglasi . . . . .	2 3	. .	w. & y.	. .	5	Free-flowering and fragrant. .
83570 Linaria bipartita alba . . . . .	2	hA	white	1	5	} Snapdragon-shaped flowers; desirable for edging, and very good for rockwork.
83580 —splendida . . . . .	2 3	. .	purple	½	5	
83590 maroccana . . . . .	. .	. .	. .	¾	5	
83594 —hybrids mixed . . . . .	. .	. .	mixed	. .	5	
83600 Cymbalaria (Kenilworth Ivy) . . . . .	. .	hP	violet	tra.	10	
83620 Linum flavum . . . . .	. .	†hhP	yellow	¾	5	} (Flax.) Free-flowering plants, of easy cultivation.
83630 grandiflorum rubrum oz., 25c.	. .	hhA	crim.	. .	5	
83640 Lewisii variegatum . . oz., 50c.	1 2	†hP	li. & w.	3	10	
83650 Lisianthus Russellianus . . . . .	2 3	gA	blue	1½	25	Fine; like the Gentians.
83660 Loasa aurantiaca (lateritia) . . . . .	. .	hhA	orange	6	10	} Elegant foliage, and flowers of curious structure.
83670 tricolor . . . . .	. .	hA	tricolor	2	10	
Lobelia . . . . .	. .	. .	. .	. .	. .	See page 80.
83690 Lophospermum scandens . . . . .	. .	tP	d. rose	8	10	Trumpet-shaped flowers.
83710 Lotus Jacobæus . . . . .	1	tA	d. & br.	2	10	} Pretty and interesting bedding plant. 83720 is brilliant red. Fine for hanging baskets.
83720 peliorhynchus . . . . .	2 3	gP	red	. .	15	
*Love-Lies-Bleeding . . . . .	. .	. .	. .	. .	. .	See <i>Amarantus caudatus</i> , p. 100.
83760 Love-in-a-Mist, Double oz., 25c.	1 2	hA	blue	1	5	} (Nigella.) Curious and ornamental; fennel-leaved; easily grown and hardy. Also called "Devil-in-a-bush."
83770 White Double . . . . . oz., 25c.	. .	. .	white	. .	5	
83780 Miss Jekyll . . . . . oz., 50c.	. .	. .	blue	. .	10	
83790 Blue Spanish . . . . . oz., 25c.	. .	. .	. .	. .	5	
83800 White Spanish . . . . . oz., 25c.	. .	. .	white	. .	5	
83810 Mixed Spanish . . . . . oz., 25c.	. .	. .	mixed	. .	5	
83820 —All sorts . . . . . oz., 25c.	. .	. .	. .	. .	5	
83840 Lupinus Cruikshanksi . . . . .	2 3	. .	blue	3	5	} A large genus of ornamental annual or perennial plants. 83920 grows 5 or 6 feet high; has immense racemes of lovely dark blue flowers. Some varieties are charming, having spikes of highly colored flowers, silver foliage and good habit. Rich loam will produce the finest plants and flowers. Dwarf species make best bedding plants. All are free-flowering, attractive, bright, easily grown. No. 83946 is the Yellow Tree Lupin.
83850 Hartwegii . . . . .	. .	. .	. .	. .	5	
83860 —albus . . . . .	. .	. .	white	. .	5	
83870 hirsutus . . . . .	. .	. .	blue	2	5	
83880 —albus . . . . .	. .	. .	white	. .	5	
83890 —ruber . . . . .	. .	. .	rose	. .	5	
83900 mutabilis . . . . .	. .	. .	var.	3	5	
83910 nanus . . . . .	1 3	. .	blue	½	5	
83920 polyphyllus . . . . .	3	hP	. .	5	5	
83930 —Mixed Perennial . . oz., 35c.	1 3	. .	mixed	. .	5	
83940 tricolor elegans . . . . .	. .	. .	o. & ro.	3	5	
83946 arboreus . . . . .	2	. .	yellow	6	10	
83950 —albus (Snow Queen) . . . . .	. .	. .	white	. .	15	
83960 Mixed Annual . . . . . oz., 25c.	. .	hA	mixed	. .	5	
83970 COLLECTION, including 12 best varieties . . . . .	. .	. .	. .	. .	45	

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
<p><i>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i></p>							
83990	<i>Lychnis chalconica</i> . . . . .oz., 25c.	1 2	hP	scarlet	2	5	Brilliantly colored border plants; 84030 is a superb variety, the original of the Haageana hybrids. Fine for rockeries or carpet bedding.
84000	— <i>alba</i> . . . . .oz., 40c.			white		5	
84030	<i>fulgens</i> . . . . .	1	tP	scarlet	1	10	
84040	<i>Haageana hybrida</i> . . . . .		hP	mixed		10	
84080	<i>Madia elegans</i> . . . . .oz., 30c.	2 3	hA	yellow	2	5	Handsome flowers; should be in a shady position.
84100	<i>Malope grandiflora rosea</i> . . . . .			rose		5	Mallow-like flowers; very pretty. Sow early.
84110	— <i>alba</i> . . . . .			white		5	
84120	— <i>rubra</i> . . . . .			red		5	
84130	—Mixed . . . . .oz., 25c.			mixed		5	
84150	<i>Malva miniata</i> . . . . .		tA	scarlet	4	5	Sunset Plant. 84160 and 84170 are fine, hardy perennials.
84160	<i>moschata rosea</i> . . . . .		†hP	rose	2	10	
84170	— <i>alba</i> . . . . .			white		10	
84190	† <i>Mandevillea suaveolens</i> . . . . .		gP		10	10	Greenhouse climber, fragrant. See page 80.
	Marigold . . . . .						
84210	<i>Martynia craniolaria</i> . . . . .		hhA	w. & sp.	1 1/2	5	Curious and very handsome plants for the border. Also used for pickling.
84220	<i>proboscidea</i> . . . . .oz., 30c.			vio. sp.		5	
84230	<i>lutea</i> . . . . .			yellow		5	
84240	<i>formosa</i> . . . . .					5	
	Marvel of Peru . . . . .						See Four O'clock, page 106.
84260	<i>Mathiola bicornis</i> . . . . .oz., 30c.			white	1/2	5	Open and fragrant at night, but closing during the day.
84280	<i>Matricaria eximia plena</i> . . . . .		hA		2	5	(Feverfew.) Pretty and neat; small double flowers.
84290	<i>capensis plena</i> . . . . .					5	
84300	"Golden Ball" (beautiful) . . . . .			yellow	1 1/4	15	
84320	† <i>Maurandya antirrhiniflora</i> . . . . .	1 3	†gP	purple	10	10	Abundant bloomers, and very desirable climbers for the greenhouse and garden. Should be in every collection.
84330	<i>Barclayana</i> . . . . .			blue		10	
84340	— <i>alba</i> . . . . .			white		15	
84350	<i>Emeryana rosea</i> . . . . .			rose		10	
84360	<i>purpurea grandiflora</i> . . . . .			purple		10	
84370	Mixed . . . . .			mixed		10	
84410	* <i>Melanthus major</i> . . . . .		gP	brown	2	10	Has very ornamental foliage.
84430	<i>Melilotus cœrulea</i> . . . . .oz., 35c.	3	hP	blue	1 1/2	5	Ornamental; like the Lotus.
84450	† <i>Melothria scabra</i> . . . . .		hhA	l. blue	10	10	Tropical vine.
84470	<i>Mesembryanthemum tricolor</i> . . . . .	1 2	tA	tricolor	1/2	5	Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. 84500 is the "Ice Plant." See page 81.
84480	— <i>album</i> . . . . .			white		5	
84490	<i>cordifolium variegatum</i> . . . . .		tP	yellow		15	
84500	<i>crystallinum</i> . . . . .oz., 35c.	2 3	tA	white		5	
	Mignonette . . . . .						
84530	<i>Mimosa pudica</i> . . . . .oz., 50c.			pink	3/4	5	(Sensitive Plant.) Very odd.
84540	<i>Mimulus cardinalis</i> . . . . .	1 2	†hP	scarlet	1 1/2	10	(Monkey Flower.) Showy, musk-scented and free-flowing. Hardy kinds are well suited for borders. Any soil suits. 84590 and 84594 are known as "Musk Plant."
84550	<i>cupreus</i> . . . . .	1 3	hA	mixed		10	
84560	<i>Rœzii</i> . . . . .	2 3		yellow	1/2	25	
84570	<i>tigrinus</i> . . . . .	1 3		spotted	1	10	
84580	— <i>grandiflorus</i> (Queen's Prize) . . . . .					25	
84590	<i>moschatus</i> . . . . .		tA	yellow	1/2	10	
84594	— <i>compactus</i> . . . . .				1/2	15	
84600	† <i>Mina lobata</i> . . . . .			wh. & r.	15	10	Curious; free bloomers.
84620	<i>Molucella spinosa</i> . . . . .	2 3	hA	rose	7	10	A splendid Shell-flower, with very fine foliage.
84640	† <i>Momordica Balsamina</i> . . . . .		hhA	yellow	10	5	Handsome ornamental gourds. 84640 is the Balsam Apple, 84650 the Balsam pear, 84660 is the Squinting Cucumber. See Aconitum, page 99. See <i>Ipomœa Mexicana</i> , p. 79. See page 79, and <i>Convolvulus</i> , page 104. See <i>Scabiosa</i> , page 92.
84650	<i>Charantia</i> . . . . .					5	
84660	<i>Elaterium</i> . . . . .					5	
84670	<i>involutrata</i> . . . . .					10	
	Monk's-Hood . . . . .						
	Moon-Flower . . . . .						
	Morning-Glory . . . . .						
	Mourning Bride . . . . .						
84710	<i>Musa Ensete</i> . . . . .100 seeds, \$1.50	1 2	gP	y. & br.		25	(Abyssinian Banana.) Splendid tropical plant. See <i>Mimulus moschatus</i> above See Forget-me-not, page 76. See page 82.
	Musk Plant. . . . .						
	<i>Myosotis</i> . . . . .						
	<i>Nasturtium</i> . . . . .						
84780	<i>Nœgelia hybrida</i> . . . . .			var.	1/2	25	Beautiful greenhouse plant.

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
84800 <i>Nemesia compacta alba</i> . . . . .		2 3	hA	white	1½	5	Very pretty and neat-flowering plants for edging. 84820 is a very beautiful variety.
84810 — <i>cœrulea</i> . . . . .				blue		5	
84820 <i>strumosa grandiflora</i> Suttoni. . . . .				var.		25	
84830 hybrida "Blue Gem" . . . . .		2		l. blue		15	
84840 <i>Nemophila Atomaria</i> . . . . . oz., 20c.		1 3		w. & pu.	1	5	
84850 <i>crambeoides</i> . . . . . oz., 20c.				p. blue		5	
84860 <i>discoidalis</i> . . . . . oz., 20c.				purple		5	
84870 <i>insignis</i> . . . . . oz., 20c.				blue		5	
84880 — <i>alba</i> . . . . . oz., 20c.				white		5	
84890 — <i>marginata</i> . . . . . oz., 20c.				bord.		5	
84900 <i>maculata</i> . . . . . oz., 20c.				spotted	½	5	
84910 Mixed . . . . . oz., 20c.				mixed	diff.	5	
84920 COLLECTION, including 6 varieties <i>Nemophila</i> . . . . .						30	
84940 <i>Nerium Oleander</i> . . . . .		2 3	gS	red	10	10	Oleander. Ornamental shrub.
84960 <i>Nertera depressa</i> . . . . .			gP	white	cr.	25	Plant bearing coral berries.
84970 <i>Nicotiana affinis</i> (fragrant) . . . . .			hhA		3	5	Species of tobacco; valuable as decorative plants; deliciously fragrant flowers. No. 84976 is a splendid new mixture.
84976 — <i>hybrida</i> . . . . .				mixed		10	
84980 <i>colossea</i> . . . . .					10	25	
84990 <i>Sanderæ</i> hybrids . . . . .			hA	mixed	3	10	
85000 <i>sylvestris</i> . . . . .				white		5	
85020 <i>Nierembergia gracilis</i> . . . . .				w. & li.	1	10	Handsome flowers; fine for hanging baskets or edgings.
85030 <i>frutescens</i> . . . . .					2	5	
85050 <i>Nolana atriplicifolia</i> . . . . .		2		b.w.&y.	½	5	Very showy when in flower, and should be planted in the border; fine trailing plants.
85060 — <i>alba</i> . . . . .				white		5	
85070 <i>paradoxa violacea</i> . . . . .				b. & v.	1	5	
85080 Mixed . . . . . oz., 25c.				mixed		5	
85100 <i>Nycteria selaginoides</i> . . . . .		2 3	hhA	lilac	¾	10	Pretty dwarf plant.
85110 <i>capensis</i> . . . . .				white		10	
85130 Orchids, Mixed . . . . .		2	hP	mixed	diff.	25	See Evening Primrose, p. 114. Fine open-ground species.
85150 <i>Orobus lathyroides</i> . . . . .		2 3		blue	1½	10	These deserve a place in gardens; fine pea blossoms.
85160 <i>niger</i> . . . . .				purple	3	5	
85180 <i>Oxalis Valdiviana</i> (Veitchii) . . . . .		2	tP	yellow	½	10	Charming little plants.
85190 <i>Oxytropis hybrida</i> . . . . .		1 2	hP	mixed	1-1½	25	Beautiful flowers, like Lupins, in many colors and shades.
85200 <i>Pæonia officinalis</i> . . . . .		2		red	2	5	Beautiful hardy plants, with large, handsome flowers.
85210 <i>chinensis</i> . . . . .				mixed		10	
85220 <i>arborea</i> (Tree Pæony) . . . . .					3	10	
85240 <i>Palafoxia Hookeriana</i> . . . . .			hA	blush	1½	10	Very good Everlasting.
85260 <i>Palava flexuosa</i> . . . . .		2 3	hhA	rose		10	Pretty rose flowers.
Pansy . . . . .							See page 84.
Paris Daisy . . . . .							See <i>Chrysanthemum frutescens</i> .
85280 † <i>Passiflora cœrulea</i> . . . . . oz., \$1			hhP	blue	10	10	Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.
85290 <i>edulis</i> . . . . .				white	25	10	
85300 <i>gracilis</i> . . . . .			hhA		10	15	
85310 <i>incarnata</i> . . . . . oz., 60c.			hhP	pink	25	10	
Peas, Sweet . . . . .							See page 96. Perennial Peas, see page 98.
85330 <i>Pelargonium, Fancy</i> . . . . .			gP	mixed	2	25	Beautiful greenhouse plants.
85340 <i>Odier</i> (superb) . . . . .						50	
85360 <i>Pentstemon Murrayanus grandiflorus</i> . . . . .			hP	scarlet	3	15	Beautiful herbaceous perennials; very hardy and free-flowering; fine for bedding. 85390 is a fine large-flowered strain.
85370 <i>Cobæa</i> . . . . .				w. & b.		10	
85380 <i>digitalis</i> . . . . .		2		white	1½	5	
85390 † <i>Hartwegi grandiflorus</i> . . . . .				mixed	2	10	
85410 Mixed Large-flowered vars. . . . .						10	
85430 * <i>Perilla nankinensis</i> . . . . . oz., 25c.			hhA	purple	1½	5	Ornamental-leaved; for ribbon-gardening and beds.
85440 *— <i>laciniatis</i> . . . . . oz., 25c.						5	
85460 <i>Persicaria, Red</i> . . . . .		3	hA	red		5	Showy for backgrounds.
85470 <i>White</i> . . . . .				white		5	
Petunia . . . . .							See page 85.

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
85490	<i>Phacelia congesta</i>	2	hA	pur. bl.	1 1/2	5	} Excellent for bees. 85520 is a lovely, rich, deep blue.
85500	<i>Parryi</i>	.	.	d. blue	.	10	
85510	<i>tanacetifolia</i>	.	.	blue	.	5	
85520	<i>campanularia</i>	.	.	d. blue	.	10	
85540	† <i>Phaseolus Caracalla</i>	2 3	gA	lilac	5	10	
85550	<i>multiflorus Papilio</i>	.	hhA	w. & ro.	15	10	Curious fragrant flowers. (Butterfly Runner Bean.)
	<i>Phlox Drummondii</i>	.	.	.	.	.	See page 87.
85570	<i>Phormium tenax</i> .....oz., 4oc.	.	gP	white	6	5	New Zealand Flax.
85590	<i>Phygelius capensis</i>	.	.	scarlet	3	25	Showy greenhouse perennial.
85610	<i>Physalis Francheti</i>	.	†hP	.	2	10	{ (Chinese Lantern Plant.) From Japan.
85630	<i>Physostegia virginica alba</i>	.	hP	white	3	25	} Obedient Plant. Exquisite.
85640	— <i>rosea</i>	.	.	rose	.	25	
85660	<i>Picotee, White Ground</i>	.	hhP	w. & sp.	.	50	} From show varieties. Rich and beautiful; finely perfumed; very attractive.
85670	<i>Yellow Ground</i>	.	.	y. & sp.	.	50	
85680	<i>Extra Fine Mixed</i>	.	.	mixed	.	50	
	<i>Pink (Dianthus)</i>	.	.	.	.	.	See page 88.
85700	<i>Pittosporum undulatum</i>	1 2	gP	white	.	10	Handsome greenhouse shrub.
85720	<i>Platystemon californicum</i>	2 3	hA	yellow	1	5	(California Poppy.)
	<i>Platycodon</i> (see also <i>Campanula</i> )	.	.	.	.	.	{ (Large Chinese Bell-flower.)
85740	<i>grandiflorum</i>	2	hP	blue	2	10	} Very fine flowering plants.
85750	— <i>album</i>	.	.	white	.	10	
85760	<i>Mariesi</i>	.	.	blue	1	10	} <i>P. Mariesi</i> is a fine dwarf, dark blue. 85770 blooms in a few weeks from seed.
85770	†— <i>macranthum</i>	.	.	.	2-3	10	
85790	<i>Podolepis chrysantha</i>	2 3	hhA	yellow	1/2	5	} Curious and pretty. Does well exposed to the sun.
85800	<i>affinis</i>	.	.	.	.	5	
85810	<i>gracilis</i>	.	.	red-wh.	.	5	
	<i>Polemonium</i>	.	.	.	.	.	See Jacob's Ladder, page 109.
85830	<i>Polyanthus</i>	1 3	†hP	mixed	.	10	} ( <i>Primula elatior</i> .) Fine varieties.
85850	<i>Gold-laced</i>	.	.	.	.	25	
	<i>Poppy</i>	.	.	.	.	.	See page 89.
	<i>Portulaca</i>	.	.	.	.	.	See page 90.
85870	<i>Potentilla atrosanguinea</i>	.	hP	purple	1 1/2	10	} Showy, hardy border plants.
85880	<i>Mixed</i>	.	.	mixed	.	10	
85900	<i>Primula cortusoides</i>	3	.	red	.	10	} These are the hardy Primroses <i>P. Japonica</i> is called the "Queen of Primroses." <i>P. Forbesi</i> has pretty rosy lilac flowers, and is fine for pots. <i>P. obconica</i> , if started in frames, will begin to bloom in May. No. 85924 is very fine; colors range from pure white through all shades of pink to deep crimson. No. 86004 Giant-flowering; brilliant carmine-red.
85910	<i>Cashmeriana</i>	.	.	rose	1/4	25	
85920	<i>japonica</i>	.	.	mixed	1	10	
85924	— <i>hybrida mixed</i>	.	.	.	2-3	25	
85930	<i>farinosa</i> (Bird's eye Primrose)	.	.	rose	.	25	
85940	<i>Forbesi</i>	.	†hP	lilac	.	25	
85950	<i>English Yellow Primrose</i>	.	hP	yellow	1/2	10	
85960	<i>obconica grandiflora alba</i>	2	†tP	white	.	25	
85970	— <i>rosea</i>	.	.	rose	.	25	
85980	— <i>carminea</i>	.	.	carmine	.	50	
85990	— <i>hybrida, Mixed</i>	.	.	mixed	.	25	
85994	— <i>Fringed White</i>	.	.	white	.	25	
85996	— <i>Rose</i>	.	.	rose	.	25	
86000	— <i>Mixed</i>	.	.	mixed	.	25	
86004	— <i>gigantea kermesina</i>	.	gP	car.-red	.	25	
86020	<i>verticillata</i>	.	hP	yellow	1	25	
	<i>Primula stellata</i> (Star <i>Primula chinensis</i> )	.	.	.	.	.	} House or conservatory plants; floriferous and long-blooming. Cut-flowers are valuable for table decoration, they keep fresh in water many days.
86030	— <i>Giant White Star</i>	.	gP	white	.	50	
86040	— <i>King of the Star</i>	.	.	crimson	.	50	
86050	— <i>Salmon-Pink Star</i>	.	.	salmon	.	50	
86060	— <i>Improved Blue Star</i>	.	.	blue	.	50	
86080	— <i>Crimson Star</i>	.	.	crimson	.	50	
86090	— <i>Purple Star</i>	.	.	purple	.	50	
86110	— <i>Rosy Star</i>	.	.	rosy	.	50	
86114	— <i>Mixed Star</i>	.	.	mixed	.	50	
86120	<i>Primula chinensis fimbriata rubra</i>	3	.	fr. red	3/4	25	} From <i>primus</i> , first, referring to their early-flowering. The Chinese Primroses ( <i>Primula chinensis</i> ) are fine for winter and spring blooming; are
86130	— <i>alba</i>	.	.	white	.	25	
86140	— <i>coccinea</i>	.	.	b. red	.	25	
86150	— <i>alba magnifica</i>	.	.	white	.	50	

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
<i>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>						cts.	
86160	Primula chinensis fimbriata, con. —punctata atropurpurea . . . . .	3	gP	pur. sp. blue	3	25	free-flowering, and especially valuable for cut-flowers or for house and window culture; a cool place suits them best. The seed is saved from the finest colors and largest flowers. Seed should be sown in light soil, but for the final potting a richer soil is necessary, consisting of two parts loam to one each of well-decayed manure and leaf-mold. Must be well ventilated, well watered and slightly shaded in summer. Collections here offered contain finest varieties grown. 86190 is distinct as to color, extremely free flowering and of splendid habit.
86170	—cœrulea . . . . .			blue		25	
86174	—Bright Rose . . . . .			b. rose		25	
86180	—kermesina splendens . . . . .			crim.		25	
86190	—Orange King . . . . .			orange		50	
86196	—extra fine mixed . . . . .			mixed		25	
86210	—filicifolia alba . . . . .			white		25	
86220	—rubra . . . . .			red		25	
86230	—Mixed . . . . .			mixed		25	
86240	—globosa rubra . . . . .			red		25	
86250	—alba . . . . .			white		25	
86260	—Mixed . . . . .			mixed		25	
86280	—plena rubra . . . . .			red		50	
86290	—alba . . . . .			white		50	
86300	—Mixed . . . . .			mixed		50	
COLLECTIONS, including—							
86310	12 vars. Chinese Fringed . . . . .					\$1 50	E. acaulis has large shining white flowers, quite transparent. E. Drummondii is of rich sulphur color; profuse-flowering. (Kudzu Vine.) Japan climber.
86320	8 vars. Chinese Fringed . . . . .					1 00	
86330	6 vars. Chinese Fringed . . . . .					75	
86340	6 vars. Chinese Double . . . . .					1 25	
Primrose, Evening—							
86360	(E. bistorta Veitchii . . . . .	2 3	hA	purple	2	5	No. 86490 for poor soils. 86500, Golden Feather, is fine for edging. 86510 is a beautiful fern-leaved sort. 86480 is a splendid variety, flowers often 4 inches in diameter on long stems; fine for cutting.
86370	—Drummondii . . . . .	1 3		yellow	1	5	
86380	—Lamarckiana . . . . .	2 3	hB		4-5	5	
86390	—rosea (mexicana) . . . . .	1 3	tA	rose	1/2	10	
86400	—acaulis alba . . . . .	2 3	hA	white		10	
86410	—tetraptera . . . . .					5	
86420	—Mixed Annual . . . . . oz., 25c.			mixed	diff.	5	
86440	†Pueraria Thunbergiana . . . . .		hP	purple	40	10	
86460	Pyrethrum atrosanguineum . . . . .			dk. sc.	1	10	
86470	—roseum hybridum Double . . . . .			mixed	2	25	
86474	—Double and Semi-double . . . . .					10	
86480	—grandiflorum . . . . .				3	25	
86490	Tchihatchewii . . . . .	1 3		white	2	20	
86500	parthenifolium aureum . . . . . oz., 50c.	2 3		yellow	1/2	10	
86510	—selaginoides . . . . . oz., 60c.					10	
86520	—Golden Gem . . . . . oz., 50c.					5	
86540	Rehmannia angulata . . . . .	1 3	hhP	rose-pu.	3	25	Free-flowering; of easy culture. (Ornamental Rhubarb.)
86560	*Rheum palmatum tanguticum . . . . .	1	hP	white		5	
86570	Collinianum . . . . .					5	Very beautiful, delicate-looking Everlastings, much prized for winter bouquets.
86590	Rhodanthe maculata . . . . .	2 3	tA	r. & w.	1	10	
86600	—alba . . . . .			white		10	
86604	—fl. pl. . . . .			var.		10	
86610	—Mixed . . . . .			mixed		10	
86620	Manglesii . . . . .			r. & w.	1/2	10	
86640	†Rhodochiton volubile . . . . .	1 2	gA	pu.-ro.	10	25	
86660	Rhododendron arboreum hyb. . . . .	1	hS	mixed		25	Superb climber. Grand evergreen shrub. See page 90.
	Ricinus . . . . .						
86680	Rivina humilis . . . . .	3	gP	white	2	10	Ornamental in fruit. (Hesperis.) Free-blooming and very sweet-scented.
86700	Rocket, Sweet . . . . . oz., 30c.	2 3	†hP	w. & pu.		5	
86710	White . . . . . oz., 20c.			white		5	California Tree Matilija Poppy. Flowers first season from seed. See Agrostemma coronaria, p. 100
86720	nana candidissima . . . . .	2			1 1/2	10	
86740	Romneya Coulteri . . . . .	2 3	hhP		2	15	See Agrostemma Cali-Rosa, page 100. See Hibiscus Syriacus, p. 109.
86760	Rosa multiflora nana . . . . .		†hP	mixed		10	
	Rose Campion . . . . .						(Cone-flower.) Showy, large yellow flowers, with brown cone.
	Rose of Heaven . . . . .						
	Rose of Sharon . . . . .						The Usambara Violet. Lovely. See page 91.
86780	Rudbeckia amplexicaulis . . . . .	2	hP	yellow	3	5	
86790	bicolor superba . . . . .			bicolor		10	
86800	fulgida variabilis . . . . .	2 3		mixed		10	
86810	Neumanni . . . . .			or.-yel.	1 1/2	10	
86820	Saintpaulia ionantha . . . . .		†gP	blue	1/2	25	
	Salpiglossis . . . . .						

NUMBER AND NAME		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS	
<i>See ¼ oz. at oz. rate only on articles quoted at \$1 per oz. and over.</i>								
	Salvia.....					cts.	See page 91.	
86840	*Santolina Chamæcyparissus...	2	hP	yellow	1½-2	5	For large specimens in shrub-beries or as a carpet-bedding plant; distinct foliage.	
86860	maritima.....			white		5		
86870	Sanvitalia procumbens fl. pl....	2	3	hA	yellow	½	10	Beautiful. Fine for beds or borders; flowers all summer.
86890	Saponaria calabrica... oz., 30c.				red	1	5	Pretty dwarf bedding plants. Should be cultivated for their beauty and long blooming.
86900	—alba.....				white		5	
86910	—Scarlet Queen.....				scarlet		5	
86920	ocymoides.....	1	2	hP	red	½	5	
86940	Saxifraga, Mixed Perennial....	2			mixed	¾	25	Curious little plants; especially adapted for rockwork.
	Scabiosa.....							See page 92.
86960	Schizanthus Grahami.....	2	3	hhA	s. & o.	2	5	Elegant and free-blooming annuals. Large, beautiful flowers of many colors, fine for bedding. Grown in pots in early spring in greenhouse, become fine foliage plants with masses of blossoms. 87010 is long-flowering and light-colored. 87014 is much larger than 87010, and all the flowers have white, buff or rose grounds.
86970	pinnatus.....				p. v.	1½	5	
86980	papilionaceus.....				bk.eyd.		5	
86990	retusus.....				r. & o.	2	5	
87000	—albus.....				white	1½	5	
87010	Wisetonensis. Fine pot plant.				vars.		25	
87014	Excelsior.....						30	
87020	Mixed..... oz., 30c.				mixed	diff.	5	
87030	COLLECTIONS, including 6 varieties Schizanthus.....						30	
87050	Schizopetalon Walkeri.....	2	hA	white		¾	15	Cannot bear transplanting.
87070	Scotanthus tubiflorus.....	3	tP			15	20	Handsome ornamental gourd.
87090	Sedum acre.....	1	2	hP	yellow	¼	10	(Stonecrop.) Showy little plants, excellent for carpet beds. Plant in sandy soil.
87100	cæruleum.....				blue		15	
87110	Maximowiczii.....				yellow	1	10	
87120	Mixed.....				mixed	¾	10	
	Senecio.....							See Jacobæa, page 109.
87140	Sensitive Plant..... oz., 40c.	2	3	tA	pink		5	(Mimosa.) Pretty and curious.
87160	Silene Armeria.....	1	2	hA	red	2-3	5	(Catch fly.) Bright-colored, free-flowering annuals, suitable for rockwork or open border. <i>S. pendula</i> is largely grown for spring flower gardening. They succeed in any light, loamy soil.
87170	—alba.....				white		5	
87190	pendula.....				red	1	5	
87200	—Double Rose.....				rose		5	
87210	—ruberrima.....						5	
87220	—Bonnetti, dark stems.....				dk. pur.		5	
87230	—Mixed..... oz., 20c.				mixed		5	
87240	orientalis.....			†hP	d. rose	2	5	
87280	†Smilax ( <i>Myrsiphyllum asparagoides</i> )..... oz., 50c.	2	3	gP	white	6	10	For table and house decoration. Fine for florists.
	Snapdragon.....							See page 92.
87300	Solanum, White Eggplant.....	3	tA			1	5	The Solanums are very ornamental fruit-bearing plants, and thrive best in light, rich soil. All are highly decorative and well worth cultivating. <i>S. giganteum</i> is the largest and handsomest of all, having flowers 3 inches in diameter. No. 87390 is a fine variety of climber with drooping racemes of a delicate lilac color.
87310	Scarlet Eggplant.....				scarlet		5	
87320	Striped Eggplant.....				striped	2	5	
87330	Weatherill's Hybrid.....				blue		5	
87340	robustum.....	2	3		purple	3	10	
87350	capsicastrum.....				yellow	2	5	
87360	giganteum.....				white	4	10	
87370	Hendersoni.....				purple		10	
87380	Warscewiczoides.....				white	3	10	
87390	†Seafortianum.....			†gP	lilac	5	15	
87400	COLLECTION, including 6 varieties Solanum.....						40	
87420	Sphenogyne speciosa.....	3	hA	yellow		1	5	Pretty showy annuals.
87430	Spiræa (astilbe) Davidii.....	2	hP	rose-v.		6	25	Beautiful. Easily raised from seed. Flowers in 18 months.
87440	Spraguea umbellata.....	2	3	hhA	rose	½	25	Fine for rockwork or edges.
87460	Stachys lanata.....	3	hP	striped		2	5	Silver-leaved, edging or borders.
87480	Statice Bonduelli.....	2	hA	yellow		1½	5	(Sea Lavender.) Beautiful for winter bouquets. Pretty little flowers which ought to be in all gardens.
87490	sinuata.....	2	3		blue	1	5	
87500	—candidissima.....				white		5	
87510	Suworowi, bright rose.....				rose		10	
87520	incana hybrida nana.....			hP	mixed	1½	5	
87530	Perennial Sorts Mixed.....						5	

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
87550	<i>Stenactis speciosa</i> . . . . .	2 3	hP	purple	2	10	Showy purple Composite.
87570	<i>Stephanophysum longifolium</i> . . . . .	. .	hhP	scarlet	1 1/2	25	{ An acanthaceous plant, with bright colored flowers.
87590	<i>Stevia serrata</i> . . . . . Stocks, German Ten Weeks . . . . .	2	gP	flesh	. .	10	Fine for bouquets; scented. See page 93.
87610	<i>Stokesia Cyanca</i> . . . . .	2 3	hP	blue	2	10	{ ("Cornflower Aster.") Pretty.
87630	<b>Streptocarpus</b> — Veitch's Hybrids . . . . . Sunflower ( <i>Helianthus</i> ) . . . . .	1 2	gP	mixed	. .	50	{ Very ornamental, profuse-blooming greenhouse plants. See page 94.
87670	<i>Swainsonia alba grandiflora</i> . . . . .	1 3	gP	white	2	25	{ Fine greenhouse plants, easily grown in sandy, peaty soil.
87680	<i>Ferrandi carminea</i> . . . . .	. .	. .	carmine	. .	50	
	Sweet Peas . . . . .						See page 96.
	Sweet Sultan . . . . .						See Centaurea, page 72.
	Sweet William . . . . .						See page 94.
87720	<i>Tagetes lucida</i> (Sweet-scented). . . . .	2	hA	yellow	1	5	{ Pretty, and fine for edging. See also Marigold, page 80.
87730	<i>signata pumila</i> . . . . .	2 3	. .	. .	. .	5	
87736	<i>patula nana grandiflora</i> . . . . .	. .	. .	golden	. .	25	
	Tassel Flower . . . . .						See page 102.
87750	<i>Tecoma Smithi</i> (splendid) . . . . .	. .	gP	lemon	6	25	{ Flowers lemon, flushed orange.
87830	† <i>Thunbergia alata</i> , mixed . . . . .	1 2	hhA	mixed	5	10	{ Ornamental climber and abundant bloomer.
87850	<i>Torenia Fournieri</i> . . . . .	. .	tA	purple	2	25	{ For borders and baskets. 87850 is fine for pots. 87870 is golden yellow, deep red throat.
87860	—"White Wings" . . . . .	. .	. .	white	. .	25	
87870	<i>Bailloni</i> . . . . .	. .	. .	yellow	. .	25	
87890	<i>Trachelium cœruleum</i> . . . . .	2	†hP	blue	1/2	10	{ Useful; border or greenhouse.
87910	<i>Trachymene cœrulea</i> ( <i>Didiscus</i> ) . . . . .	. .	hA	. .	. .	5	{ Fine long-blooming annuals.
87930	† <i>Trichosanthes colubrina</i> . . . . .	3	tA	white	10	10	{ (Snake Gourd, or Serpent Cucumber.) So called from the shape of its fruit.
87940	<i>coccinea</i> . . . . .	2	. .	yellow	. .	10	
87950	<i>palmata</i> . . . . .	3	. .	white	15	10	
87970	<i>Trifolium suaveolens</i> . . . . .	2	hP	purple	tra.	5	{ An ornamental clover.
87990	<i>Tritoma Uvaria grandiflora</i> . . . . .	2 3	hhP	or.-red	3	10	{ (Red-Hot-Poker Plant.) Has showy spikes of bloom.
88000	<i>MacOwani</i> . . . . .	. .	. .	r. & yel.	1 1/2	25	
88020	<i>Trollius hybrid</i> mixed . . . . .	1 2	hP	mixed	. .	10	{ (Globeflower.) For beds or borders.
88040	† <i>Tropæolum canariense</i> . oz., 30c. . . . .	2 3	hhA	yellow	10	5	{ 88040 is the Canary Bird Flower. The others are fine for pot culture. See, also, <i>Nasturtium</i> , pages 82 and 83.
88050	<i>pentaphyllum</i> . . . . .	. .	gP	or. & y.	. .	15	
88060	<i>tricolor grandiflorum</i> . . . . .	. .	. .	or. & br.	. .	25	
88080	<i>Tunica Saxifraga</i> . . . . .	2	hhP	white	1	5	{ Pretty for rockwork.
88100	<i>Tydæa hybrida grandiflora</i> . . . . .	. .	gP	mixed	. .	50	{ Popular greenhouse plant.
88120	<i>Valeriana alba</i> . . . . .	1 2	†hB	white	3	5	{ Fine border plants; sweet-scented flowers.
88130	<i>rubra</i> . . . . .	. .	. .	red	. .	5	
88160	<i>Venidium calendulaceum</i> . . . . .	2 3	hhA	orange	1	5	{ Beautiful for borders or pots. Flowers the entire season.
88180	Venus' Looking-Glass . oz., 25c. . . . .	1 2	hA	blue	3/4	5	{ (Specularia.) Pretty edging plant. 88200 gives about 50 per cent of double flowers.
88190	White . . . . . oz., 30c. . . . .	. .	. .	white	. .	5	
88200	Double blue . . . . . oz., 60c. . . . .	. .	. .	blue	. .	10	
88220	Venus' Navelwort ( <i>Cynoglossum linifolium</i> ) . . . . . oz., 25c. . . . .	2	. .	. .	1	5	{ A handsome border flower. Easily grown.
88240	<i>Verbascum pannosum</i> . . . . .	. .	hP	yellow	5	10	{ Decorative plant. Woolly lvs. See page 94.
	<i>Verbena hybrida</i> . . . . .						See page 95.
	<i>Verbena</i> ( <i>Aloysia</i> ) <i>citriodora</i> . . . . .						
88280	<i>Veronica</i> , Mixed . . . . .	. .	. .	mixed	1/2	10	{ Pretty for borders; fine colors.
88300	<i>Vicia Gerardii</i> . . . . .	2 3	hA	violet	4	5	{ Pretty pea-shaped flowers.
88310	<i>fulgens</i> . . . . .	. .	. .	d. red	. .	5	
88330	<i>Vinca alba</i> (pure white) . . . . .	. .	tP	white	1	10	{ Fine for conservatory, parlor windows and borders or beds; very pretty.
88340	<i>rosea</i> . . . . .	. .	. .	rose	. .	10	
88350	— <i>alba</i> . . . . .	. .	. .	ro. & w.	. .	10	
88360	—Mixed . . . . .	. .	. .	mixed	. .	10	



NUMBER AND NAME <small>82 3/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
					cts.	
88380 Violet, Sweet-scented . . . . .	1 2	tP	blue	1/2	10	} (Viola.) All have great beauty and fragrance. Seed takes a long time to germinate.
88390 The Czar . . . . .	.	.	.	.	10	
88400 White . . . . .	.	.	white	.	10	
88420 Viola cornuta, Purple Queen . . . . .	.	.	purple	.	10	
88430 —Mauve Queen . . . . .	.	.	.	.	10	} Fine and early-flowering. See Violet above.
88434 —White Perfection . . . . .	.	.	white	.	10	
88440 —alba . . . . .	.	.	.	.	10	
88444 pedunculata (California Yellow Violet) . . . . .	.	.	yellow	.	25	
88460 Virginian Stock . . . . .oz., 25c.	.	hA	red	1	5	} ( <i>Malcolmia maritima</i> .) Early-flowering and fine.
88470 White . . . . .oz., 25c.	.	.	white	.	5	
88480 Crimson King . . . . .oz., 25c.	.	.	crim.	.	5	
88510 <i>Viscaria elegans picta</i> . . . . .	2 3	.	sc. & w.	1 1/2	5	} Abundant blooming, hardy annuals, very effective in massing. They are easily grown, and succeed best in light, rich loam.
88520 <i>oculata</i> . . . . .	.	.	rose	3/4	5	
88530 — <i>cerulea</i> . . . . .	.	.	blue	.	5	
88540 — <i>alba</i> . . . . .	.	.	white	.	5	
88544 — <i>candida</i> . . . . .	.	.	p. wh.	.	10	
88550 —Mixed . . . . .	.	.	mixed	.	5	
88570 Wallflower, Brown . . . . .oz., 30c.	1 3	tP	brown	1 1/2	5	
88580 Aurora . . . . .	.	.	cham.	.	5	
88590 White Gem . . . . .	.	.	sul. wh.	.	5	
88600 Yellow . . . . .	.	.	yellow	.	5	
88610 Harbinger, Early . . . . .	.	.	golden	.	5	
88614 Vulcan. Half dwarf . . . . .	.	.	red	1-1 1/2	10	
88620 Mixed . . . . .oz., 30c.	.	.	mixed	.	5	
88630 —Tom Thumb . . . . .	.	.	.	1	10	} ( <i>Cheiranthus Cheiri</i> .) Favorite sweet-scented flowers, of fine colors; useful as spring bedders. Nos. 88686 and 88690 are most valuable, flowering the first season from seed.
88640 —Tall Double Branching . . . . .	.	.	.	1 1/2	25	
88650 Double Dwarf Branching Golden Yellow . . . . .	.	.	yellow	3/4	25	
88660 — — —Dark Brown . . . . .	.	.	brown	.	25	
88670 — — —Mixed . . . . .	.	.	mixed	.	25	
88680 German Double . . . . .	.	.	.	1 1/2	25	
88686 Paris Single Light Brown . . . . .	3	hA	lt. br.	.	5	
88690 —Single Annual . . . . .	.	.	mixed	.	5	
COLLECTIONS, including—						
88700 12 vars. Double German . . . . .					\$1 00	
88710 8 vars. Double German . . . . .					80	
88720 6 vars. Double German . . . . .					65	
Wax Gourd . . . . .						See <i>Benincasa cerifera</i> , p. 101
88740 <i>Whitlavia grandiflora</i> .oz., 30c.	.	.	purple	.	5	} Pretty bell-shaped flowers; free-flowering.
88750 — <i>alba</i> . . . . .oz., 30c.	.	.	white	.	5	
88760 <i>gloxinioides</i> . . . . .oz., 40c.	.	.	b. & w.	.	5	
88800 <i>Wigandia Vigieri</i> . . . . .	2 3	†tP	red	4	10	} Fine tropical leaves.
88810 <i>caracasana</i> . . . . .	.	.	violet	.	10	
88830 <i>Xeranthemum annuum</i> . . . . .	2	hA	purple	2	5	} One of the oldest Everlastings; the flowers retain their color and form longest of all.
88840 — <i>album</i> . . . . .	.	.	white	.	5	
88850 — <i>multiflorum</i> . . . . .	.	.	purple	.	10	
88860 — <i>album</i> . . . . .	.	.	white	.	10	
88864 — <i>imperiale fl. pl.</i> . . . . .	.	.	purple	.	10	
88870 COLLECTION including 6 vars. . . . .					35	
88890 <i>Yucca filamentosa</i> . . . . .	2 3	hP	gr. & w.	3	10	} Very showy, attractive plants for the subtropical garden; many large white flowers.
88900 <i>gloriosa</i> . . . . .	.	.	.	4	10	
Zinnia . . . . .						See page 95.

**MIXED ANNUALS FOR WILD GARDEN, ETC.**

Bright-colored, summer-flowering, easily grown hardy annuals in the greatest variety for sowing broadcast.

88950 Mixed Tall. Per oz., 10 cts.; 1/4lb., 30 cts.; 1/2lb., 55 cts.; lb., \$1, postpaid.

88960 Mixed Dwarf and Semi-Dwarf. Per oz., 10 cts.; 1/4lb., 30 cts.; 1/2lb., 55 cts.; lb., \$1, postpaid.

88980 Mixed Annuals for Bees. Per oz., 10 cts.; 1/4lb., 30 cts.; 1/2lb., 55 cts.; lb., \$1, postpaid.

**LIST OF EVERLASTING FLOWERS**

Acroclinium  
Ammobium

Catananche  
Gomphrena

Helichrysum  
Helipterum

Palafoxia  
Rhodanthe

Xeranthemum  
Ornamental Grasses

## ORNAMENTAL GRASSES

Many of these Grasses, if cut before they are entirely ripe, will be found useful in the formation of winter bouquets, in connection with the Everlastings.

NUMBER AND NAME <small>1/4 oz. at oz. rate only on articles quoted at \$1 per oz. and over.</small>	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
89000 * <i>Agrostis nebulosa</i> .....	2	hA	apet.	1	10	} Very fine for vases and bouquets. The plumes of <i>A. nebulosa</i> are very delicate.
89010 pulchella .....	.	.	.	10	10	
89020 minutiflora .....	.	.	.	10	10	
89040 * <i>Andropogon argenteus</i> .....	3	hP	.	3	10	Silky flowers, white hairs.
89060 <i>Arundo Donax</i> .....	.	.	.	10	10	} Subtropical plants of stately growth; ornamental habit.
89070 *—fol. variegatus .....	.	.	.	10	10	
89090 <i>Avena sterilis</i> .....	2 3	hA	.	3	5	(Animated Oats.) Curious.
89110 <i>Briza geniculata</i> .....	2	.	.	1	10	} (Quaking Grass.) No. 89130 is very pretty for bouquets.
89120 gracilis .....	.	.	.	5	5	
89130 maxima.....	.	.	.	1 1/2	5	
89150 <i>Brizopyrum siculum</i> .....	.	.	.	3/4	5	Dwarf species of Spike Grass.
89170 <i>Bromus brizæformis</i> . . . oz., 25c.	.	.	.	3	5	} No. 89170 is very fine for winter bouquets. To this genus belongs the Cheat Grass.
89180 macrostachys . . . oz., 25c.	.	.	.	5	5	
89190 madritensis.....	.	.	.	5	5	
89230 <i>Chloris barbata vera</i> .....	.	.	.	1	10	For groups and for baskets.
89250 <i>Chrysurus cynosuroides</i> .....	.	.	.	.	5	Pretty for edgings.
89270 <i>Coix Lacryma</i> . oz., 15c., lb., 50c.	2 3	.	.	1 1/2	5	} (Job's Tears.) Seed resembles a tear-drop.
89280 —aurea zebrina.....	.	.	.	5	5	
89300 <i>Cryptopyrum Richardsoni</i> .....	2	.	.	2	10	Very fine Grass.
89320 <i>Elusine barcinonensis</i> .....	2 3	.	.	1	5	} (Crab, or Yard Grass.) <i>E. Indica</i> is the Wire Grass.
89330 coracana.....	.	.	.	5	5	
89340 indica.....	.	.	.	5	5	
89350 <i>Elymus giganteus</i> .....	2	hP	.	5	5	
89360 <i>Eragrostis elegans</i> . . . oz., 25c.	.	hA	.	1	5	} Pretty Grasses, growing about a foot high, and characterized by their beautiful dancing spikelets; fine for bouquets. No. 89360 is Love Grass.
89370 amabilis.....	.	.	.	5	5	
89380 abyssinica.....	.	.	.	5	5	
89390 maxima.....	.	.	.	10	10	
89400 suaveolens .....	.	.	.	5	5	
89420 <i>Erianthus Ravennæ</i> . . . oz., 60c.	2 3	hP	.	6-8	10	
89440 <i>Eulalia japonica</i> . . . oz., 60c.	.	.	.	5	10	} Among the most beautiful of the tall-growing grasses.
89450 —zebrina.....	.	.	.	10	10	
89470 <i>Festuca glauca</i> .....	.	.	.	2	15	(Fescue Grass.) Ornamental.
89490 <i>Gymnophrix caudata</i> .....	.	.	.	.	5	} Grown chiefly as curious and ornamental grasses.
89500 japonica.....	.	.	.	2-3	10	
89510 latifolia.....	.	.	.	4	5	
89530 * <i>Gynerium argenteum</i> . . . oz., 60c.	.	.	.	.	10	} (Pampas Grass.) This is the noblest of the tall-growing grasses, and bears magnificent plumes.
89550 *—roseum .....	.	.	.	.	10	
89560 jubatum .....	.	.	.	.	5	
89580 <i>Hordeum jubatum</i> .....	.	hA	.	2	10	(Squirrel-tail Grass.)
89600 <i>Isolepis gracilis</i> .....	.	tP	.	1/2	20	Very pretty rush-like grass.
Job's Tears .....	.	.	.	.	.	See <i>Coix Lacryma</i> , above, 89270.
89620 <i>Lagurus ovatus</i> . . . oz., 25c.	.	hA	.	2	5	(Hare's-tail Grass.)
89640 <i>Lasiagrostis argentea</i> .....	.	hP	.	3	5	Fine for winter bouquets.
89660 <i>Panicum sulcatum</i> .....	.	hA	.	.	15	Very showy and hardy.
89680 <i>Pennisetum villosum</i> . . . oz., 30c.	.	.	.	1 1/2	5	} Ornamental grass. 89690 has beautiful crimson plumes.
89690 Rueppelianum . . . oz., 50c.	.	.	crim.	3	5	
89710 <i>Poa amabilis</i> .....	.	.	apet.	2	10	Pretty for bouquets.
89730 <i>Setaria alopecuroides nigra</i> .....	.	.	.	.	5	Graceful black spikes.
89750 * <i>Stipa pennata</i> . . . oz., 50c.	2	hP	.	.	10	} (Feather Grass.) Grown for its very graceful plumes.
89760 elegantissima.....	.	.	.	.	15	
89780 <i>Tricholæna atropurpurea</i> .....	2 3	hA	.	.	10	A very pretty grass.

NUMBER AND NAME <i>3/4</i> oz. at oz. rate only on articles quoted at \$1 per oz. and over.	Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	GENERAL OBSERVATIONS
89800 <i>Zea japonica</i> .....oz., 20c.	2	hA	apet.	3	5	Ornamental varieties of Corn, Nos. 89800 and 89810 have beautifully striped leaves. No. 89820 is the Miniature Maize.
89810 —quadricolor.....oz., 20c.	.	.	.	.	5	
89820 <i>gracillima</i> .....oz., 20c.	.	.	.	.	5	
89830 <i>Caragua</i> .....oz., 20c.	.	.	.	.	6	
<b>Mixed Ornamental Grasses—</b>						
89880 Mixed Tall.....oz., 20c.	.	.	.	4	5	These mixtures contain all the standard sorts.
89900 Mixed Dwarf.....oz., 30c.	.	.	.	2	5	

**Collections of Ornamental Grasses**

89940	25 varieties Ornamental Grasses, one packet of each.....	\$0 80
90000	12 varieties Ornamental Grasses, one packet of each.....	50

**PALM SEEDS**

Imported direct from approved sources in Australia, New Zealand, South America, Central America and the West Indies, and unexcelled in quality and purity. Fresh seeds arrive throughout the year, as the various species mature, but the greater number come during the spring and summer. The seeds are slow in starting, and the germinating period varies, according to the variety, from three weeks to three months. The young plants should be potted in 3-inch pots in a compost of rotted sods, leaf-mould and sand, and well watered. They grow slowly. As soon as the roots begin to crowd, the plants should be lifted into larger pots, special attention being given to secure good drainage. The plants do well in partial shade, and to keep the sod cool and to prevent it from quickly drying out, it is well to cover the surface with sphagnum moss. They must be kept in an even temperature. Customers are invited to let us book their orders, to be sent from time to time as fresh shipments arrive.

	Pkt. 100 seeds	\$	Pkt. 100 seeds	\$
<i>Areca lutescens</i> .....12 seeds,	\$0 25	\$1 25	<i>Kentia</i> Belmoreana.....15 seeds,	\$0 25 \$1 25
<i>sapida</i> .....10 "	10	75	<i>Canterburyana</i> (Umbrella Palm).....15 "	25 1 25
<i>Brahea filifera</i> (Washing-tonia).....25 "	10	30	<i>Forsteriana</i> .....15 "	25 1 50
<i>robusta</i> .....15 "	10	50	<i>Latania borbonica</i> .....10 "	10 50
<i>Chamærops elegans argentea</i> .....2 "	10	60	<i>Musa ensete</i> (Abyssinian Banana).....15 "	25 1 50
<i>excelsa</i> .....25 "	10	30	<i>Oreodoxa regia</i> (Royal Palm).....12 "	25 1 25
<i>humilis</i> .....20 "	10	40	<i>borinquena</i> (Royal Palm of Porto Rico).....15 "	10 65
<i>Cocos australis</i> .....12 "	25	1 25	<i>Pandanus utilis</i> (Screw Pine) 8 "	15 1 50
<i>Bonnetti</i> .....15 "	25	1 50	<i>Phoenix canariensis</i> .....15 "	10 40
<i>campestris</i> .....15 "	25	1 50	<i>dactylifera</i> (Date Palm) 8 "	10 1 00
<i>Weddelliana</i> .....10 "	25	2 00	<i>reclinata</i> .....8 "	10 1 00
<i>Corypha</i> ( <i>Livistona</i> ) <i>australis</i> (Cabbage Palm).....10 "	10	75	<i>rupicola</i> .....15 "	25 1 50
<i>Dracaena australis</i> .....20 "	15	50	<i>tenuis</i> .....10 "	25 2 00
<i>indivisa</i> .....25 "	10	25	<i>Seaforthia elegans</i> .....8 "	10 1 00
<i>indivisa lineata</i> .....15 "	10	50		
<i>Draco</i> .....12 "	25	1 00		
<i>Geonoma gracilis</i> .....10 "	25	2 00		

Collection of 10 varieties of Palm seeds, by name, our selection, \$1 each

Throughout the year we have *Cycas revoluta* stems (*Sago Palms*) in various sizes direct from Japan. Lb. 15 cts.

**CHOICE COLLECTIONS OF FLOWER SEEDS.** Free by mail at prices quoted.

12 Annuals.....	\$0 50	10 More Rare Annuals.....	\$1 00
25 ".....	1 00	20 Choice Hardy Biennials and Perennials... 1 50	
50 Annuals, Biennials and Perennials.....	2 00	25 " Greenhouse Seeds.....	4 00
100 " " ".....	4 00	12 " " ".....	2 00
25 More Rare Annuals.....	2 00	12 Annuals for Bees.....	50

All strictly our own selection

**LIST OF FLOWERS SUITABLE FOR BOUQUETS**

<i>Abronia umbellata</i>	Carnation	Globe Amaranth	<i>Reseda odorata</i>
<i>Ageratum mexicanum</i>	Centaurea	Godetia, assorted	<i>Salvia splendens</i>
<i>Alyssum maritimum</i>	<i>Centranthus macrosiphon</i>	Gypsophila	Scabiosa
<i>Amarantus tricolor</i>	<i>Chrysanthemum inodorum</i>	<i>Impatiens Sultani</i>	<i>Sanvitalia procumbens</i>
<i>Ammobium alatum</i>	<i>Collinsia bicolor</i> and <i>verna</i>	<i>Kaulfussia amelloides</i>	<i>Silene</i> , Mixed
<i>Aquilegia chrysantha</i>	<i>Cosmos</i> and <i>Cuphea</i>	<i>Leptosiphon</i>	<i>Statice</i> , assorted
<i>Aster</i>	Dahlia, Single	<i>Lobelia erinus</i>	<i>Stevia serrata</i>
Balsam	<i>Dianthus chinensis</i>	<i>Malope grandiflora</i>	Stocks, Ten Weeks
<i>Cacalia coccinea</i>	<i>Digitalis</i> assorted	Marigold	Sweet Peas
<i>Calliopsis lanceolata</i>	Gaillardia	Mignonette	Verbena
<i>Callirhoe pedata</i>	<i>Gaura Lindheimeri</i>	Pansy	<i>Viscaria oculata</i>
Candytuft	<i>Gilia tricolor</i>	<i>Phlox Drummondii</i>	Zinnia, all varieties

# GLADIOLI

Gladioli are very easily grown. Any good soil suits them. Plant as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July, these fine flowers can be had in bloom all through the summer and fall—the later flowers being the best. About the end of October, when the leaves begin to wither, the bulbs should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring. \*Those so marked are used extensively for forcing.

## NEW YELLOW GLADIOLI

**PRIMULINUS.** (Scarce.) Rare species from Victoria Falls, South Africa; grows 3 to 4 feet tall and is very vigorous. The flowers are of good size and are a clear primrose-yellow. Blooms late in July. Crop failed.

**PRIMULINUS Hybrids.** Hybrids of the above, with many related species and choice garden varieties. Extremely vigorous and healthy growers blooming in July and August. Grows 3 to 5 feet high, with long spikes of richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats. 20 cts. each, \$2 per doz., \$12 per 100.

## VARIOUS MIXED GLADIOLI

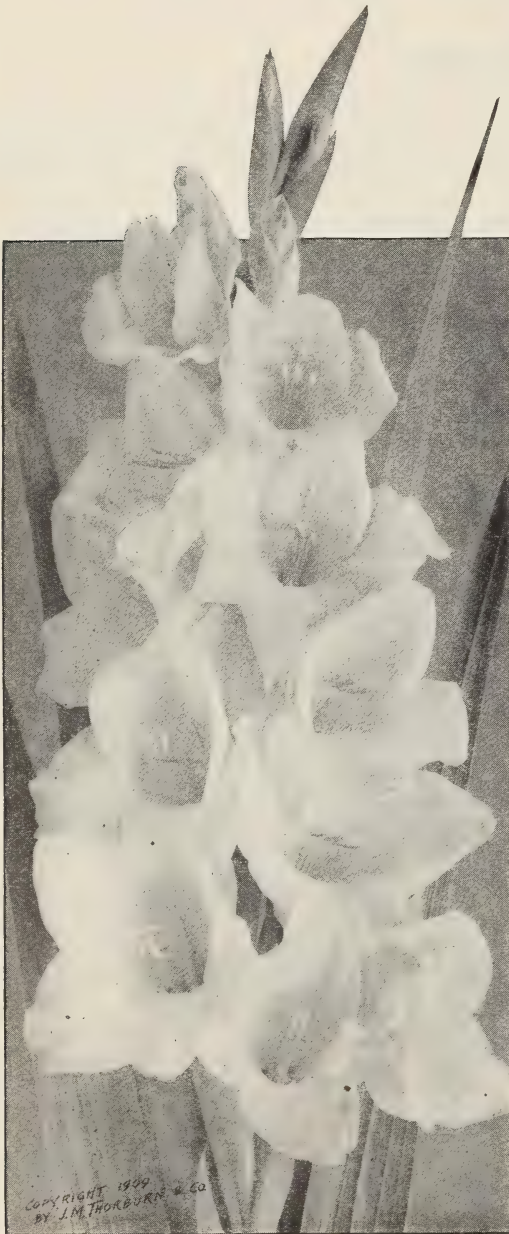
6 of a kind at dozen rates, 25 at 100 rates, 250 at 1,000 rates

	Doz.	100	1,000
Mixed Varieties of Red and Scarlet.....	\$0 35	\$2 00	\$14 00
“ White and Light. Standard selection.....	40	2 25	17 00
* “ White and Light. Extra-fine for florists’ use....	50	3 25	25 00
“ Striped and Variegated...	45	2 75	23 00
“ Pink and Rose. Extra-fine.....	40	2 25	17 00
“ Yellow and Orange.....	70	4 75	40 00
“ Hybrids. All colors.....	35	2 00	14 00
“ Groff’s Hybrid Seedlings	35	2 00	14 00
“ Lemoine’s. Fine bright coloring and odd markings.....	45	2 25	15 00
“ Childsii. Superb large-flowered.....	50	3 00	24 00

## FINE NAMED HYBRID GLADIOLI

6 of a kind at dozen rate

<b>Amalthee.</b> Pure white, large violet-red blotch; ground of the corolla velvety violet, lower petals slightly tinged lilac.....	Each	Doz.
	\$0 15	\$1 50
<b>Angele.</b> White; showy and effective....	15	1 50
<b>ANGELIQUE.</b> White, slightly tinted flesh, ivory-white blotch.....	20	2 00
<b>Astarte.</b> Compact spike of large flowers, pale rosy lilac streaked with rose....	15	1 25
* <b>Augusta.</b> Beautiful pure white, with blue anthers.....	per 100, \$4..	06 70
<b>Beaute de Juillet.</b> Long spike, salmon-rose flowers, striped and marbled slaty violet.....	15	1 50
<b>Baron Hulot.</b> Also called Blue Jay. Blue.....	20	2 00
<b>Brenchleyensis.</b> Bright vermilion-scarlet.....	per 100, \$2.50..	05 50



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FINE NAMED HYBRID GLADIOLI, continued

	Each	Doz.		Each	Doz.
<b>Carnation.</b> Flesh-white, tinged carmine at the edges, the lower petals blotched purplish carmine . . . . .	\$0 15	\$1 25	<b>Matador.</b> Fine spike, flowers brilliant carmine, striped and blotched white. \$0 20	\$1 75	
<b>Carmen.</b> Compact spike; large flowers; straw-color, streaked rose-amaranth on outer, and citron-yellow at base of inner petals. . . . .	15	1 50	<b>Madame Poret.</b> Large spikes of coppery rose-colored flowers, with slight golden blotch. . . . .	15	1 50
<b>*Ceres.</b> Pure white, spotted with purplish rose. . . . . per 100, \$3.50. . . . .	06	65	<b>Magnificus.</b> Very large flowers; round and open; cinnabar-red with white blotch, edged violet. . . . .	20	1 75
<b>Chicago.</b> Compact spike. Dark carmine-red, with almost black stripes, large white blotch and center band. . . . .	15	1 25	<b>*May.</b> Fine pure white, flaked rosy crimson; superb spike. One of the best for forcing in greenhouse. . . . . per 100, \$3.50. . . . .	06	60
<b>Conquete.</b> Bright cherry-red, with pure white blotch; upper petals striped rose; large flowers. . . . .	15	1 25	<b>Mr. Jansen.</b> Large rosy carmine, edged and streaked violet-red, with cream-colored blotch. . . . .	15	1 50
<b>Crepuscle.</b> Splendid spike; flowers lilac-rose, flushed carmine, with violet on the edges of the petals. . . . .	15	1 50	<b>Mrs. Francis King.</b> Light scarlet; lovely. . . . .	10	1 00
<b>Demosthene.</b> Bright rose, flamed carmine, streaked white, bright center, blotched violet-carmine; dwarf habit. . . . .	15	1 50	<b>Neron.</b> Tall spike; dark crimson, suffused with dark blood-red and violet. . . . .	15	1 50
<b>DIAMANT.</b> Extra-large flowers, flesh-white, with ivory-white throats, blotched and streaked carmine. . . . .	20	1 75	<b>Octoroon.</b> Beautiful salmon-pink. . . . .	10	1 00
<b>Emma Thursby.</b> Carmine, striped on white ground. . . . . per 100, \$3.50. . . . .	06	65	<b>Pactole.</b> Yellow, tinged with rose at the edges; blotch of a darker shade. . . . .	15	1 50
<b>Escarboucle.</b> Dark carmine-red, pure white band and blood-red blotch. . . . .	10	1 00	<b>Phoebus.</b> Brilliant red, pure white blotch. . . . .	15	1 50
<b>*Eugene Scribe.</b> Fine tender rose, blazed carmine; very large and wide flowers. . . . .	10	1 00	<b>POTENTAT.</b> Carmine-rose, blotched scarlet, edged yellow. . . . .	20	1 75
<b>Feu Follet.</b> Well-opened flowers with ivory-white throats, richly tinted and striped with carmine at the edges. . . . .	15	1 50	<b>Proserpine.</b> Large, cherry-red flowers, banded with slate color; tall spike. . . . .	15	1 50
<b>Fra Diavolo.</b> Bright orange-rose, flushed violet-red at edges; pale yellow blotch. . . . .	15	1 50	<b>Rossini.</b> Dark amaranth-red, streaked and blotched white. . . . .	15	1 50
<b>Grandesse.</b> Large, well-opened flower; petals flesh-white, slightly suffused with lilac. Carmine blotch. . . . .	15	1 50	<b>*Shakespeare.</b> White, slightly suffused carmine-rose; large rosy blotch. . . . .	15	1 50
<b>*Isaac Buchanan.</b> Very fine yellow. . . . .	10	1 00	<b>Surprise.</b> Rose-amaranth; very late-blooming variety. . . . .	15	1 50
<b>*Lamarck (de).</b> Large flowers, cherry tinted orange, blazed red, stained white. . . . .	06	60	<b>Thermidor.</b> Large, salmon-red flowers, flushed and edged slaty gray. . . . .	15	1 50
<b>LePhare.</b> Brilliant fiery red; very fine. . . . .	15	1 50	<b>Tigridia.</b> Flowers salmon-yellow, flamed with rosy carmine. . . . .	15	1 50
<b>*Madame Monneret.</b> Delicate rose. . . . . per 100, \$4.50. . . . .	10	75	<b>Titania.</b> Beautiful tall spike, creamy salmon, flamed cherry. . . . .	15	1 50
			<b>Van Dael.</b> Large flowers of a delicate salmon-rose at the center, streaked with blood-red at the top of the petals . . . . .	15	1 50

GIANT CHILDREN GLADIOLI

Very tall and erect, often 4 or 5 feet high, with spikes of bloom over 2 feet long. The flowers are of great substance and of gigantic size, frequently 7 to 9 inches across. Every color known among Gladioli.

	Each	Doz.		Each	Doz.
<b>*AMERICA.</b> Soft flesh-pink, tinged lavender; erect spike. Strikingly beautiful . . . . .	\$0 15	\$1 25	<b>Little Blush.</b> Dwarf habit; compact spike of bluish-white. . . . .	\$0 10	\$0 85
<b>Attraction.</b> Deep rich crimson, pure white throat. . . . .	10	1 00	<b>Oddity.</b> Amaranth-red, throat mottled red and white. . . . .	10	85
<b>Columbia.</b> Light orange-scarlet, blotched and penciled bluish purple. . . . .	10	75	<b>Salem.</b> Fine salmon-pink, maroon blotches. . . . .	10	85
<b>Dr. Sellew.</b> Large spike; deep rich rosy crimson, penciled darker. . . . .	10	1 00	<b>Scribe.</b> Tender rose, tinged white; carmine striped; very large flower and spike. . . . .	15	1 25
<b>F. L. Oakley.</b> Bright salmon, tinged scarlet, with pure white center. Very showy. . . . .	10	1 00	<b>Sunlight.</b> Light crimson, canary-yellow throats. . . . .	10	85
<b>Gracilis.</b> Dull red, margined slate-blue. Large flowers. . . . .	10	85	<b>Superb.</b> Pink, flaked and striped; enormous flower; immense spike. . . . .	10	1 00
<b>Henry Gillman.</b> Deep salmon-scarlet, with pure white bands through each petal; throat peculiarly mottled. . . . .	10	75	<b>Wm. Falconer.</b> Enormous size; beautiful clear light pink. . . . .	15	1 50

We call special attention to our grand Primulinus Gladioli on page 120. Nothing like them.

# DAHLIAS (Double)

6 of a kind at dozen rates

## CACTUS

	Each	Doz.		Each	Doz.
<b>Beatrice.</b> Deep rose-pink; very large flower.....	\$0 20	\$2 00	<b>Loyalty.</b> Bright coral-red; perfect form.	\$0 20	\$2 00
<b>Capstan.</b> Soft brick-red shaded apricot; profuse bloomer.....	15	1 50	<b>May Farnsworth.</b> Yellow, heavily tipped white; fine.....	15	1 50
<b>EARL OF PEMBROKE.</b> Bright plum, deeper toward center.....	15	1 50	<b>Mary Lanette.</b> Deep salmon and red; long, twisted, incurved petals.....	15	1 50
<b>Flamme.</b> Brilliant red; fine for cutting...	15	1 50	<b>Mrs. Chas. Turner.</b> Bright lemon-yellow; long, pointed petals; perfect form. Exquisite.....	15	1 50
<b>Gloriosa.</b> Splendid crimson.....	20	2 00	<b>Mrs. H. J. Jones.</b> Salmon-red, tipped white; twisted and pointed petals. Very fine.....	15	1 50
<b>GOLIAH.</b> Yellow, shaded and tipped salmon; distinct and good. Very large...	20	2 00	<b>Mrs. J. Mace.</b> Blush-pink; dwarf habit..	15	1 50
<b>J. H. Roach.</b> Light yellow; perfect form; long, incurved, pointed petals.....	15	1 50	<b>RED HUSSAR.</b> Rich, dazzling cardinal-red; strong grower; free bloomer; long stems.....	20	2 00
<b>Harbour Light.</b> Vivid orange-red, overlaid with flame-color; fine large flower....	20	2 00	<b>W. B. Childs.</b> Dark crimson, finely formed flowers. Remarkably free-bloomer.....	20	2 00
<b>Innovation.</b> Ruby-crimson, tipped white; long stems.....	20	2 00	<b>Volker.</b> Clear canary-yellow; fine cactus form; early and a very profuse bloomer	20	2 00
<b>Kriemhilde.</b> Deep rosy pink, lighter toward center.....	20	2 00			
<b>Libelle.</b> Finest purple, long petals; profuse bloomer; long stems. Splendid ...	15	1 50			



**DECORATIVE**

<b>Admiral Dewey.</b> Brilliant purple; fine form; strong grower.....	Each	Doz.	
	\$0 15	\$1 50	
<b>Blue Oban.</b> Lavender-blue; long stems..	15	1 50	
<b>Catherine Duer.</b> Crimson-scarlet; long, stiff stems. Very fine.....	15	1 50	
<b>C. W. BRUTON.</b> Large, clear yellow....	20	2 00	
<b>Cyclops.</b> Rich crimson, flushed lighter. Long, straight, stiff stems.....	15	1 50	
<b>Incendiary.</b> Intense crimson; of bushy upright, but medium growth. Profuse bloomer.....	15	1 50	
<b>IRIDESCENT.</b> Orange-red, overlaid and edged blue; medium-sized flowers, with long stems; fine for bouquets.....	20	2 00	
<b>JACK ROSE.</b> Crimson, a shade darker and richer than the celebrated Genl. Jacqueminot rose. Planted May 1, comes into bloom early in June and continues flowering until cut down by frost in October. Flowers are full to center and are borne on long stems. Fine for cutting.....	25	2 50	
<b>Jumbo.</b> Deep crimson flowers on stout stems; elegant form.....	15	1 50	
<b>LORD LYNDHURST.</b> Intense scarlet; fine grower; very prolific.....	20	2 00	
<b>Maid of Kent.</b> Cherry-red, tipped white.	15	1 50	
<b>Nymphaea.</b> White, suffused light shrimp-pink; beautiful.....	15	1 50	
<b>Orange King.</b> Rich, glowing orange; very early; profuse bloomer.....	15	1 50	
<b>Prof. Mansfield.</b> Rich yellow, with clear white tips and a slight marking of rosy red toward the center; immense flower..	20	2 00	
<b>SYLVIA.</b> White, shading to pink on outer petals; flowers 4 to 6 inches in diameter; early and profuse bloomer.....	15	1 50	
<b>Xanthia.</b> Dark purple, with crimson reflexed center; very fine.....	15	1 50	
<b>Zulu (The Black Dahlia).</b> Very dark maroon, almost black.....	15	1 50	

**SHOW AND FANCY**

<b>A. D. LIVONI.</b> Soft pink; quilled petals; profuse bloomer.....	Each	Doz.	
	\$0 15	\$1 50	
<b>Arabella.</b> Pale primrose, tipped and shaded old rose; profuse bloomer; large flowers of perfect form.....	15	1 50	
<b>Dr. J. P. Kirtland.</b> Dark crimson, flushed maroon. Large blooms on long stems.	15	1 50	
<b>Enchantress.</b> Pure white; fine form; free-bloomer.....	15	1 50	
<b>Grand Duke Alexis.</b> Pure white, slightly shaded delicate lavender.....	15	1 50	
<b>John Walker.</b> Pure white; round, full form.....	15	1 50	
<b>Lemon Ball.</b> Canary-yellow, tinted lemon. Full round flowers of medium size....	15	1 50	
<b>Oakfield.</b> Purple and maroon; free bloomer	15	1 50	
<b>Penelope.</b> White, flaked lavender.....	15	1 50	
<b>Striped Banner.</b> Crimson-scarlet, tipped white; semi-dwarf.....	15	1 50	
<b>Sunset.</b> Yellow; large, full and deep....	20	2 00	

**POMPON VARIETIES**

<b>Daybreak.</b> Dark maroon. Excellent..	15	1 50
<b>Fairy Queen.</b> Light sulphur-yellow; edged peach; long stems; free-flowering.	15	1 50
<b>KLEIN DOMITEA.</b> Beautiful golden amber, darker toward center. Flowers in great abundance on long stems. Dwarf habit. Finest of all pompons.....	20	2 00
<b>Little Helen.</b> Soft blush-white; very free-bloomer; long stems. Splendid.....	20	2 00
<b>Raphael.</b> Dark maroon, almost black; perfect flowers on long stems.....	15	1 50

**SINGLE VARIETIES**

<b>Cynthia.</b> Blush-white, tinted pink toward base of petals. Large golden yellow eye; exquisite variety.....	20	2 00
<b>Lavender Century.</b> Delicate lavender; fine.....	20	2 00
<b>Twentieth Century.</b> Intense rosy crimson, white tips and white disc, around a yellow center.....	20	2 00

**Dwarf Large-Flowering French Cannas**

6 of a kind at dozen rates, 25 at 100 rates

These fine ornamental plants produce bold and striking foliage of dark metallic hues, as well as the various shades of green. The flowers range in color from yellow and orange to scarlet and deep crimson, and the plants bloom continuously from the time of planting until cut down by frost.

**CROZY TYPE, GREEN FOLIAGE**

<b>Alphonse Bouvier.</b> 4 feet. Rich crimson flowers.....	Each	Doz.	100
	\$0 12	\$1 00	\$7 00
<b>Charles Henderson.</b> 3 to 4 feet. Crimson-scarlet flowers, yellow flame in throat.....	12	1 00	7 00
<b>Coronet.</b> 3 feet. Pure canary-yellow.....	15	1 25	8 00
<b>Duke of Marlboro.</b> 5 to 6 feet. Large, glowing crimson flowers with orange veins.....	15	1 25	8 00
<b>Eldorado.</b> 3 feet. Dark yellow, spotted red.....	12	1 00	7 00
<b>Explorateur Crampbell.</b> 5 to 6 feet. Dark green foliage; flowers cardinal, speckled darker.....	15	1 25	8 00

<b>Flamingo.</b> 3 feet. Light scarlet, shaded red.....	Each	Doz.	100
	\$0 15	\$1 25	\$8 00
<b>Joliet.</b> 5 to 6 feet. Very large, brilliant orange-scarlet flowers..	15	1 25	8 00
<b>Madame Crozy.</b> 3 feet. Brilliant vermilion-scarlet flowers edged yellow. Bright green foliage....	15	1 25	8 00
<b>Morning Star.</b> 4 feet. Yellow with red spots.....	12	1 00	7 00

**CROZY TYPE, BRONZE FOLIAGE**

<b>Shenandoah.</b> 3½ feet. Rose-pink; fine bedder. Similar to King Humbert, but with smaller flowers.....	Each	Doz.	100
	\$0 12	\$1 00	\$7 00



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A PLANTING OF FRENCH CANNAS

**ORCHID-FLOWERED CANNAS**

- Allemania.** 4 to 5 feet. Orange-red, bordered with yellow. . . . \$0 12 \$1 00 \$7 00 Each Doz. 100
- Indiana.** 5 feet. Orange flowers of heavy texture. . . . . 12 1 00 7 00
- KING HUBBERT.** 4 feet. Bears immense brilliant orange-scarlet flowers streaked with crimson and gold, in gigantic trusses. Foliage rich coppery-bronze. A massive sturdy grower of stately habit. . . . . 15 1 25 8 00
- Louisiana.** 6 ft. Immense scarlet-crimson flowers, often 7 inches or more across. . . . . 15 1 25 8 00
- Pennsylvania.** 6 ft. Solid red flowers, rich green foliage; one of the best of this type. . . . . 12 1 00 7 00

- Wyoming.** 6 ft. Immense umbels of massive orange flowers; bronze-purple foliage. A splendid bedder. . . . . \$0 15 \$1 25 \$8 00 Each Doz. 100

**CANNAS, FOLIAGE TYPE**

- King of the Bronzes.** 7 to 8 ft. Broad, bronze leaves of fine appearance; red flowers. . . . . \$0 15 \$1 25 \$8 00 Each Doz. 100
- Marechal Vaillant.** 7 ft. Large, rich bronze leaves; rapid grower. One of the best. . . . . 12 1 00 7 00
- Musafolia.** 5 to 6 ft. One of the best foliage sorts, with bright green foliage and narrow border of bronze; seldom blooms, but has small red flowers when it does. . . . . 15 1 25 8 00
- Robusta.** Dark bronze foliage. 7 ft. 12 1 00 7 00

ALL THE ABOVE ARE DORMANT ROOTS

**AMARYLLIS**

The Amaryllis produces, under the simplest conditions, one to three spikes, two or more feet high, crowned with from two to six large and beautiful trumpet-shaped blooms lasting long in good condition. They should be planted as soon as received, in pots an inch or so larger than the diameter of the bulb.

The most suitable soil is good loam, with one-fourth part of leaf-mold or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until September. Manure-water during this time is almost essential.

- Aulica** (Lily of the Palace). Large flowers, crimson, shaded green. . . . . \$1 25 Each Doz.
- Belladonna major.** Violet and white; in large umbels; fragrant. . . . . 25 \$2 50
- Cleopatra.** Large, bright purple-red, white striped. . . . . 3 50
- Crocea grandiflora.** Bright orange, white stripe. . . . . 2 50
- Formosissima** (Jacobæan Lily). Pretty scarlet flowers; may be planted outside in the spring. . . . . 15 1 25

- Graveana.** Dark orange. . . . . \$1 75 Each Doz.
- Johnsoni.** (Spice Lily). Large, beautiful flower, crimson, striped white. Large bulbs. . . . . 65 \$6 50
- Josephine** (gigantea). Fine scarlet flowers in immense umbels. Extra-size bulbs. . . . . 6 00
- Longifolia rosea.** Rose; hardy. . . . . 25 2 50
- "    **alba.** White; hardy. . . . . 25 2 50
- Lutea** (Sternbergia) . . . . . 12 1 25



# PAEONIES

Double Pæonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and in America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Peonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

Our assortment includes the best and most distinct sorts, new and old. There are many kinds, including varieties showing but trifling variations, which we omit.

## Herbaceous Chinese Paeonies (*Paeonia chinensis*)

	Each	Doz.
<b>Alba plena.</b> Pure white; sweet-scented.	\$0 30	\$3 00
<b>Alba superba.</b> (Potsii). Creamy white center, rosy border.	35	3 50
<b>Asa Gray.</b> Rosy carmine. Superb.	60	6 00
<b>Boule de Neige.</b> Sulphury white; center leaves with rosy borders.	45	4 50
<b>Comte de Niepperg.</b> Bright carmine; early	45	4 50
<b>Duchesse de Nemours</b> (Calot). White.	45	4 50
<b>Festiva.</b> White; rosy spots.	45	4 50
<b>Festiva maxima.</b> White; exquisite.	45	4 50
<b>Gigantea.</b> Fine pink; flowers on long stems; early; fragrant.	45	4 50
<b>Hamlet.</b> Pink flowers; long stems.	45	4 50
<b>Humea carnea.</b> Tender rose passing to white.	40	4 00
<b>Jeanne d'Arc.</b> Rose, sulphur and rosy white center.	40	4 00

<b>Louis Van Houtte.</b> Cherry color, with purplish reflection.	Each \$0 40	Doz. \$4 00
<b>Madame Geissler.</b> Rosy lilac; large flower early.	50	5 00
<b>Nobilissima.</b> Bright rosy lilac; large flower; early.	35	3 50
<b>Queen Victoria.</b> Rose, darker center.	35	3 50
<b>Rose d'Amour.</b> Rose; fine color and form.	40	4 00
<b>Solfatare.</b> Dark sulphur.	35	3 50
<b>Thorbecki.</b> Tender rose; center deep rose.	35	3 50
<b>Washington.</b> Rose; fine.	40	4 00
<b>Double Mixed, All White.</b>	25	2 50
“ “ <b>All Crimson.</b>	25	2 50
“ “ <b>All Rose.</b>	25	2 50
“ “ <b>Many Colors.</b>	25	2 50

## Japanese Tree Paeonies

(*Paeonia arborea*)

These are very beautiful and free-flowering, and bloom two or three weeks earlier than the herbaceous sorts. We are importing an assortment of the following fine named varieties:

\$1.50 each

- Atropurpurea.** Purple; half double.
- Berenice.** Rosy lilac; enormous flower.
- Comata.** White and lilac mixed.
- Comtesse de Tuder.** Rosy white; very double.
- Elizabeth.** Brilliant pink; large flower.
- Fragrans maxima plena.** Brilliant salmon-rose; large, double flower.

## Paeonia Tenuifolia

Very elegant plants, with narrow-leaved feathery, large foliage.

	Each	Doz.
<b>Double-flowering.</b> Rich crimson	\$0 40	\$4 00
<b>Single-flowering.</b> Rich crimson	25	2 50

## Paeonia Officinalis

	Each	Doz.
<b>Anemonæflora.</b> Crim-son; single anemone-flower shape.	\$0 45	\$4 50
<b>Atro-rubra plena.</b> Dark red; double	30	3 00
<b>Mutabilis plena.</b> Rose, passing to white; double	35	3 50
<b>Splendens.</b> Dark red; half double.	40	4 00



PAEONIA CHINENSIS

# JAPAN IRIS (*Iris Kaempferi*)

## SUPERB COLLECTION OF LARGE-FLOWERED SORTS

We have imported from Japan a large supply of the following eighteen of the best of these magnificent Irises, which excel in size, perfection of form and richness of color. These are most valuable for cut-flowers and table decoration—as handsome as orchids. Flowers should be cut in the early morning or after sunset. They come in large clumps. *The descriptions given are those furnished us by the growers in Japan.*

25 cts. each, \$2.50 per doz., \$18 per 100



JAPAN IRIS

- En-u-no-Sora.** Rosy lavender petals, light purple toward the center, large primrose blotches; standards white, veined and edged claret-red. 3 petals. Large and distinct.
- Hakubotan.** Large; pure white, with light primrose blotches; full flower.
- Ho-o-jo (Ho-o-Castle).** Ruby-crimson, primrose blotches; standards white and lavender.
- Kagura-Jishi.** Blush-white, radiating to bright claret-red on outer edge of petals. Light yellow blotches.
- Ran.** Royal-purple, edged lavender, with large primrose blotches; standards wine-red, white at bases. 6 petals. Large and distinct.
- Sassa-no-Koe.** White, veined wine-red and blotched yellow; standards lavender, running to purple at edges. 3 petals.
- Shippo (Cloisonne).** Rich tyrian-blue, edged purple and veined white, yellow blotches; standards white and wine-color. Large flowers.
- Shiraito-no-Taki.** Sky-blue, radiating to light purple at edges, large yellow blotches; standards white, pale blue and purple; distinct. 3 petals.
- Shi-un.** Rich purple, with large primrose blotches; large, full flower. 6 petals.
- Sui-Ren.** Very pale lavender, darker at edges, with yellow blotches. 6 petals.
- Taki-no-shiose.** Large flower; pure white, with primrose blotches. 6 petals.
- Tatsuta-Gawa.** Blush-white, radiating to claret-red at edges; primrose blotches. 3 petals.
- Yamato-Nishiki.** Pale lavender, running to purple on outside of petals, blotched and flaked dark purple; large primrose blotches; immense flower. 3 petals.
- Yedo-Jiman.** Royal-blue; large petals; standards purple. 3 petals.
- Yodokuruma.** Pale wine-color, veined darker, large orange blotches; standards very erect. Gigantic blooms. 3 petals.
- Biwa-no-umi.** White, feathered purple, sky-blue at edges, primrose blotches; large flower. 3 petals.
- Boteki-no-Koe.** Pure white, heavily veined lavender, with pale primrose blotches; standards wine-color, lighter toward edges, stigmas lavender; striking. 3 large petals.
- Datedogu.** Rich claret-red, yellow blotches. 3 petals.

## PHLOX DECUSSATA (Ready in Spring)

Probably of more importance than any other class of hardy perennial plants. Of easy cultivation, requiring only ordinary care and succeeding in almost any soil or situation.

The varieties we offer have been very carefully selected and are among the best.

	Each	Doz.		Each	Doz.
<b>Beranger.</b> Light rose, striped white...	\$0 15	\$1 50	<b>Josephine Gerbeau.</b> Cherry-red, white eye.....	\$0 15	\$1 50
<b>Boule de feu.</b> Dark carmine; extra-fine..	15	1 50	<b>Le Cygne.</b> Pure white; extra fine.....	20	2 00
<b>Brilliant.</b> Scarlet; splendid variety.....	15	1 50	<b>L'Aiglon.</b> Very large-flowering variety; carmine-rose with bright carmine eye; extra variety for cutting.....	20	2 00
<b>Eclairer.</b> Purple carmine; extra.....	15	1 50	<b>Miss Pemberton.</b> Carmine-rose, dark eye, very large flowers. Beautiful.....	20	2 00
<b>Elisabeth Campbell.</b> Light terra-cotta, rose center. Fine flower.....	20	2 00	<b>Pantheon.</b> Bright rose-red, light center; large flowers. Splendid.....	20	2 00
<b>Eugene Danzanvilliers.</b> Porcelain-blue and white.....	15	1 50	<b>SELMA.</b> New. Very large flowers; truss of a beautiful, bright rose color, with cherry-red eye. Fine.....	20	2 00
<b>Frau Ant. Buchner.</b> Pure white; extra fine.....	20	2 00			
<b>General V. Heutz.</b> Salmon-red, white eye; extra-fine; new.....	20	2 00			
<b>Gruppenkonigin.</b> Bright rose, carmine eye. Very beautiful.....	20	2 00			

One each of the 15 varieties for \$2

# LILIES

Lilies are easily grown and require little care. They do best in a light, well-drained soil. Some peat or leaf-mold may be used to advantage. They also prefer partial shade, and the taller sorts must have protection from high winds. *L. auratum* cannot bear manure, but thrives in ordinary light soil.

<b>Auratum</b> (Golden-banded Lily). The grandest of all hardy Lilies; flowers white, spotted with maroon, having a bright yellow band through each petal.	Each	Doz.
8 to 9 inches....per 100, \$9..	\$0 15	\$1 50
9 to 11 inches....per 100, \$15..	25	2 50
11 to 13 inches....per 100, \$22..	35	3 25
<b>Auratum pictum</b> . Beautifully spotted dark crimson. 8 to 10 inches.....	50	5 00
<b>Auratum rubro vittatum</b> . Enormous flowers, sometimes measuring 10 inches across; pure white, beautifully spotted and with a deep crimson stripe through center of each petal; very fragrant.		
8 to 9 inches.....	65	6 50
<b>Batmanni</b> . Bright apricot.....	30	3 00
<b>Brownii</b> . Flowers of immense size, creamy white inside, shaded chocolate-purple outside. A splendid pot-plant..	65	6 50
<b>Canadense</b> . Native "Meadow Lily." Graceful, drooping, bright yellow flowers, spotted red. 1½ to 3 feet.....	12	1 25
<b>Canadense rubrum</b> . Red flowers.....	15	1 50
<b>GIGANTEUM</b> . A magnificent species, growing 6 to 10 feet high; white, with purple throat; extra-large choice bulbs	3	50
<b>HENRYI</b> ( <i>Orange-yellow Speciosum</i> ). Tall-growing sort; deep orange-yellow flowers; very beautiful and striking.....	70	7 00
<b>Krameri</b> . White, slightly tinged with red; sweet-scented.....	25	2 50
<b>Leichtlinii</b> . Orange-red, with crimson spots. 2 to 3 feet.....	25	2 50
<b>LONGIFLORUM</b> . Beautiful for garden culture. 6 to 8 inches.per 100, \$5..	08	75
7 to 9 inches....per 100, \$6.50.....	10	1 00
<b>Longiflorum multiflorum</b> .....		
6 to 8 inches.....per 100, \$6..	10	1 00
7 to 9 inches.....per 100, \$8..	15	1 50

<b>Longiflorum multiflorum giganteum</b> ... Each	Doz.
6 to 8 inches.....per 100, \$7..	\$0 12 \$1 25
7 to 9 inches.....per 100, \$10..	20 1 75
<b>Philadelphicum</b> . Bright orange-red, with black spots. 2 feet.....	15 1 50
<b>Speciosum album Kraetzeri</b> . Beautiful pure white flowers of large size; one of the handsomest and easiest-grown Lilies we have. 2 to 4 feet high.	
8 to 9 inches.....per 100, \$13..	20 2 00
9 to 11 inches.....per 100, \$19..	30 3 00
<b>Speciosum rubrum Melpomene</b> . Very dark crimson-spotted flowers of large size.	
8 to 9 inches.....per 100, \$8..	15 1 50
9 to 11 inches.....per 100, \$14..	20 2 00
11 to 13 inches.....per 100, \$19..	30 3 00
<b>Superbum</b> (Turk's Cap Lily). Deep orange-red, thickly spotted; 4 feet....	12 1 25
<b>Tenuifolium</b> (Siberian Coral Lily). Nodding rich scarlet flowers. 1½ feet tall.	15 1 50
<b>Tigrinum</b> ( <i>Tiger Lily</i> ). Orange-salmon, spotted black.....per 100, \$4.50..	08 80
<b>Tigrinum splendens</b> . Beautiful rich scarlet, with black spots; finest of all Tiger Lilies.....per 100, \$6..	10 1 00
<b>Tigrinum flore pleno</b> . Double Tiger Lily; bright orange-red, with black spots.	
4 to 5 feet.....per 100, \$7..	12 1 25
<b>Umbellatum erectum</b> . Dark red and orange.....	15 1 50
" <b>grandiflorum</b> . Orange-red... 20 1 75	
" <b>incomparabilis</b> . Dark red... 15 1 50	
" <b>Mixed</b> ..... 12 1 25	
<b>Wallacei</b> . Orange-red, with maroon spots; late flowering.....	15 1 50
<b>Washingtonianum</b> . A lovely native variety of very stately habit. Large, trumpet-shaped flowers, pure white, tinged purple or lilac. Very fragrant. 4 to 7 feet..	45 4 50

# CRINUMS

The most suitable soil is a compost of turfy loam, cow-manure and sand. They should be grown in large pots or tubs, about three-fourths of the bulb being out of the soil. In late fall, remove to a cool-house and allow to rest till new leaves begin to appear in February. If placed outside when warm weather begins, they will flower through the summer, making splendid lawn or veranda plants.

<b>Giganteum, Giant White</b> . Immense bulbs; Each large white flowers; blooms all summer; very fragrant; should be watered plentifully while growing.....	\$2 00
<b>Amabile, Giant Pink</b> . Extra large, bright pink, with white stripe; splendid flower; enormous bulb. This and the Giant White are unsurpassed for growing in tubs, blooming profusely outside all summer.....	2 00

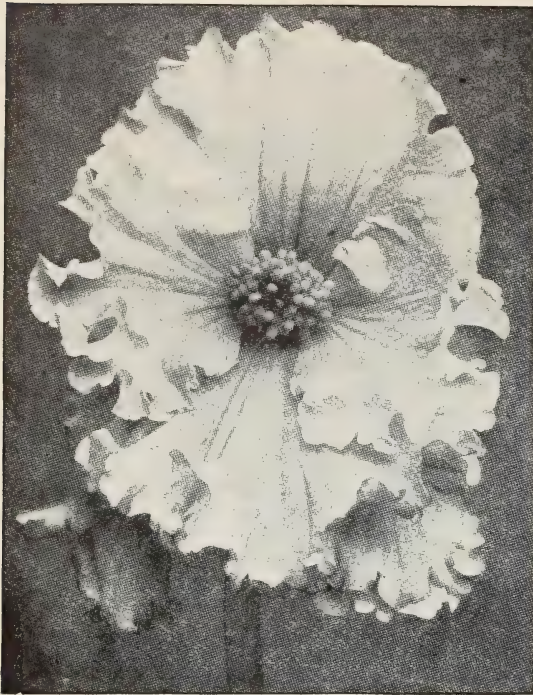
<b>Kirki</b> . Large umbels of beautiful pure white flowers, with purple stripe in center of each petal; very fine.....	\$0 75
<b>Powellii</b> . Produces long stems, bearing at the top five to eight large, dark rose, bell-shaped flowers, 3 to 4 inches long; of great beauty..	40
<b>Powellii album</b> . Pure white; a very beautiful sort.....	65
<b>Powellii intermedium</b> . Light rose.....	70

# TIGRIDIAS (Ready in April)

These very handsome summer-flowering bulbs should be planted in the spring. They will flower profusely all summer. The plants grow about 2 feet high, with large and finely colored flowers.

<b>Alba immaculata</b> . Pure white, Each	Doz.	100
unspotted.....	\$0 06 \$0 65	\$4 50
<b>Canariensis</b> . Very handsome, light yellow, with brown spots.....	06 65	4 50
<b>Conchiflora</b> . Bright yellow.....	10 1 00	6 00

<b>Lutea immaculata</b> . Pure yellow; handsome and striking.....	\$0 10 \$1 00	\$6 00
<b>Pavonia</b> . Red.....	06 65	4 50
<b>Speciosa pavonia</b> . Scarlet.....	06 65	4 50



BEGONIA CRISPA

## TUBEROUS-ROOTED BEGONIAS

Crop almost a failure, quantity very limited

6 of a kind at dozen rate, 50 of a kind at 100 rate

Splendid pot-plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

	Each	Doz.	100
Single Red .....	\$0 15	\$1 00	\$6 00
“ Scarlet .....	15	1 00	6 00
“ Rose .....	15	1 00	6 00
“ White .....	15	1 00	6 00
“ Yellow .....	15	1 00	6 00
Double Orange .....	20	1 50	8 00
“ White .....	20	1 50	8 00
“ Yellow .....	20	1 50	8 00
“ Rose .....	20	1 50	8 00
“ Scarlet .....	20	1 50	8 00
“ Crimson .....	20	1 50	8 00
“ Pink .....	20	1 50	8 00

### BEGONIA CRISPA (Single Fringed Begonias)

These comparatively new Begonias have beautifully shaped, gracefully frilled and crested flowers, borne above the foliage on long and erect stems. An exceedingly fine strain. RED, ROSE, WHITE, YELLOW and SALMON. 15c. each, \$1.50 per doz.

## MONTBRETIAS (Ready in April)

Hardy, summer-flowering, bulbous plants that are becoming more popular every year. They should be planted in groups and left undisturbed. Ordinary garden soil and a sunny position suit them.

Bouquet Parfait. Large, bright vermilion flowers, with deep yellow centers.....	Each \$0 05	Doz. \$0 40	100 \$2 00
Crocsmixæflora. Large, bright orange, tinted scarlet.....	05	40	2 00
Eldorado. Large golden yellow flowers. Dwarf; free bloomer...	05	40	2 00
Etoile de Feu. Bright vermilion, with deep yellow center; large flowers.....	05	40	2 00
Elegans. Bright yellow outside, streaked with vermilion; fine...	Each \$0 05	Doz. \$0 40	100 \$2 00
Golden Sheaf. Bright yellow....	05	40	2 00
Pottsii. Orange and scarlet; very free-flowering.....	05	40	2 00
Soleil Couchant (Sunset). Golden yellow.....	05	40	2 00
Sunbeam. Rich yellow, spotted brown; large flowers.....	05	40	2 00

## MISCELLANEOUS BULBS AND ROOTS

AMORPHOPHALLUS Rivieri. A species of Arum with ornamental leaves; flowers without soil or water.....	Each \$0 75	Doz. \$7 50	100
ANEMONE, Blue, Incomparable. Double.....	06	50	\$3 00
Blue, Double Mixed.....	05	40	2 50
“ Single. Light colors.....	05	35	2 00
Scarlet, Feu Superbe. Double..	07	60	3 50
“ Single Mixed.....	05	35	2 00
“ Double Mixed.....	07	60	3 50
Rose, Leverrier. Double.....	06	50	3 00
Striped, Thalia. Double.....	06	50	3 00
Double. All colors mixed.....	05	30	1 50
Single. All colors mixed.....			
2 for 5 cts...	20	1 25	
ANOMATHECA cruenta. Crimson flowers; dwarf habit; fine for window garden....	Each \$0 20	Doz. \$1 25	100
2 for 5c...			
ANTHOLYZA, Mixed. Like Gladioli. Take up in fall ..	\$0 12	1 25	7 50
ARUM Dracunculus.....	20	2 00	
Cornutum (Red Calla).....	25	2 50	
crinitum .....	45	4 50	
maculatum.....	12	1 25	
Palæstinum sanctum (Black Calla).....	20	2 00	
CALADIUM esculentum.....	20	2 00	
CALLA Elliottiana, Yellow Spotted Leaf. Dark green leaves, spotted silvery white.....	40	4 00	

MISCELLANEOUS BULBS AND ROOTS, continued

	Each	Doz.	100
CINNAMON-VINE. Roots.....	\$0 06	\$0 50	\$3 00
CLEMATIS <i>coccinea</i> . A hardy herbaceous perennial climber; flowers rich scarlet.....	20	2 00	12 00
DICENTRA <i>spectabilis</i> (Bleeding Heart). Hardy perennial; also forcer.....	20	1 75	10 00
EREMURUS <i>himalaicus</i> . White..	80		
robustus. Rose.....	80		
GLOXINIA, Red.....	12	1 00	6 50
Spotted.....	12	1 00	6 50
White.....	12	1 00	6 50
Blue.....	12	1 00	6 00
Mixed.....	10	90	6 00
HEMANTHUS <i>albiflos</i> . White. 1 00			
coccineus. Scarlet; for pots.. 2 25			
punicus. Orange-red; for pots 2 25			
HELLEBORUS <i>niger major</i> (Christmas Rose). Hardy; valuable forcer.....	45	4 50	
HEMEROCALLIS, Apricot. Distinct, rich apricot.....	20	2 00	
<i>flava</i> . Clear yellow.....	10	1 00	
<i>fulva</i> . Coppery orange, shaded crimson.....	10	1 00	
Kwanso fl. pl. Coppery orange; double.....	12	1 25	
Sieboldii. Reddish orange....	12	1 25	
HYACINTHUS <i>candicans</i> .....	10	75	4 50
LACHENALIA <i>Luteola</i> . Rich yellow, flushed green.....	30	3 00	
<i>Nelsoni</i> . Rich golden yellow; fine.....	40	4 00	
<i>Pendula</i> . Rich, red flowers, tipped black. Large and showy.....	30	3 00	
<i>Quadricolor</i> . Bright green, red and yellow flowers.....	45	4 50	
<i>Tricolor</i> . Red, yellow and green.....	45	4 50	
MADEIRA VINE. Roots.....	08	75	
NERINE <i>crispa</i> . Scarlet.....	1 00		
<i>flexuosa</i> . Bright crimson, tinged orange.....	1 60		
<i>Fothergilli major</i> . Intense shining scarlet.....	1 60		
<i>Sarniensis</i> (True Guernsey Lily). Brilliant crimson....	60		
<i>undulata</i> . Rosy purple, wavy flowers.....	80		
PANCRATIUM <i>africana</i> .....	30	3 00	
<i>calathinum</i> (Basket Flower).....	20	2 00	
<i>maritimum</i> (Sea Daffodil)....	20	2 00	
<i>undulatum</i> . White.....	20	2 00	
SPIRÆA <i>japonica</i> . Pure white flowers.....	15	1 50	
<i>japonica compacta multiflora</i> . Neat and compact Pure white flowers.....	20	2 00	
<i>astilboides floribunda</i> . Very large, pure white plumes. Neat habit; abundant bloomer.....	20	2 00	
Gladstone. Snow-white plumes; long stems; fragrant. Fine forcer.....	25	2 50	

	Each	Doz.	100
Spiræa, Queen Alexandra, Pink. A pink variety, in habit similar to Gladstone but flowering three weeks later. Beautiful.....	\$0 30	\$3 00	
Washington. Extra-large flowers; fine forcer.....	20	2 00	
TRITOMA <i>Pfitzeri</i> . Large spikes of intense flame-colored flowers. Plant in spring....	20	1 75	\$11 00
MacOwani. Dwarf variety; bright orange-red.....	20	1 75	11 00
<i>uvaria grandiflora</i> (Red-Hot Poker Plant). Half-hardy... 15	1 50	9 00	
TROLLIUS <i>Caucasicus</i> . Golden yellow.....	25	2 50	
<i>Europæus</i> . Yellow.....	20	2 00	
<i>giganteus</i> . Yellow.....	25	2 50	
TUBEROSES, Dwarf Double... 06	40	2 00	
Albino. Pure white; single... 08	50	3 00	
Variegated Leaf..... 08	50	3 00	
WATSONIA <i>ardernei</i> (O'Brieni) Large, beautiful, snow-white gladiolus-like blooms over 3 inches in diameter. Fine forcer or for planting outdoors in spring.....	30	3 00	
ZEPHYRANTHUS <i>candida</i> . White, greenish base.....	10	1 00	6 00
<i>atamasco</i> . Pure white.....	08	80	5 00



EREMURUS

## Insecticides and Remedies for Plant Diseases

If wanted by mail, add 16 cts. per lb. to cover postage

**Ant Destroyer.** Tucker's Magnet. 5-lb. boxes only, 50 cts. per lb.

**Antipest.** A sure destroyer of all insect pests. Qt. 60 cts.,  $\frac{1}{2}$ -gal. can \$1, gal. can \$2.

**Aphine.** Has no equal for the destruction of green, black, or white fly, thrips, red spider, mealy bug, etc. Used one part to forty of water. Does not injure the most tender plants.  $\frac{1}{4}$ pt. 25 cts., 1 pt. 65 cts., qt. \$1, gal. \$2.50.

**Arsenate of Lead.** Adheres well to the foliage and does not readily wash off by rain. It remains well suspended in solution ensuring even distribution. It is white in color and shows just where it has been applied. It does not injure tender foliage. Lb. 20 cts., 5 lbs. 95 cts., 10 lbs. \$1.80, 20 lbs. \$3.60, 100 lbs. \$17.

**Bordeaux Mixture, or Fungicoid.** For all fungous diseases. Dry, 1-lb. box 20 cts., 5 lbs. and over at 18 cts. per lb., 50 lbs. \$7, liquid, qt. 40 cts., gal. \$1.25, 5 gals. \$5.

**Bug Death.** This is a fungicide, insecticide, and plant food combined and contains neither Paris Green nor Arsenic. 1-lb. pkg. 15 cts., 3-lb. pkg. 35 cts., 5-lb. pkg. 50 cts., 12 $\frac{1}{2}$ -lb. pkg. \$1, 100-lb. pkg. \$7.50.

**Copper Solution, Ammoniated.** Prevents black and brown rot; mildew and other grape diseases; pear and apple scab, leaf blight, tomato rot, potato blight, melon blight, etc. Dilute 1 part to 100 parts of water; spray lightly. Qt. 50 cts., gal. \$1.50.

**Cut Worm Food.** A positive exterminator of cut worms. Directions on package. 1 lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3.50.

**Dalmatian Insect Powder.** Effective against almost all kinds of insects.  $\frac{1}{2}$ -lb. box, 30 cts., 1-lb. box 50 cts.

**Fir-Tree Oil.** Dilute 1 pint to 20 gallons water. Apply with vaporizer or syringe.  $\frac{1}{2}$ pt. 40 cts., pt. 75 cts., qt. \$1.25,  $\frac{1}{2}$ gal. \$2.25, gal. \$4.

**Fir-Tree Oil Soap.** Mix at the rate of 1 ounce to a gallon of water, and apply with a bellows or syringe.  $\frac{1}{2}$ -lb. tin, 25 cts., 2-lb. tin, 75 cts.

**Grape Dust, Hammond's.** For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5-lb. pkg. 35 cts., 10-lb. pkg. 60 cts., 100 lbs. \$5.

**Hellebore.** Apply dry or mix in water—1 oz. to 3 gals. 2-lb. box 35 cts., 1-lb. box 20 cts.

**Kerosene Emulsion.** For cabbage worms, scale on trees, caterpillars, melon louse, rose bugs, green fly, etc. Dilute 25 to 50 parts. Qt. 40 cts., gal. \$1.

**Lemon Oil.** For destroying scale, caterpillar, mealy bug, etc. Directions on can.  $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 75 cts., gal. \$2.

**Nico-Fume Liquid.** For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, 1 to 2 teaspoonfuls to a gallon of water.  $\frac{1}{4}$ pt. 50 cts., pt. \$1.50,  $\frac{1}{2}$ gal. \$5.50, gal. \$10.50. Lamps, 50 cts. each.

**"Nico-fume" Tobacco Paper.** For fumigating. Does not injure blooms. In tins, 24 sheets, 75 cts., 144 sheets, \$3.50, 288 sheets, \$6.50.

**Nicoticide.** For fumigating or spraying. Effective against greenfly, mealy bug, etc. Does not dam-

Nicoticide, continued

age foliage or flowers. Sold in cans as follows: No. 1, 1 pt., sufficient for 32,000 cubic feet of space, \$2.50 each; No. 2,  $\frac{1}{2}$ pt. sufficient for 16,000 cubic feet of space, \$1.25; No. 3, 4 ozs., sufficient for 8,000 cubic feet of space, 70 cts. Gals., \$15 each,  $\frac{1}{2}$ gals. \$8.25 each, qts., \$4.50 each. Fumigators, 50 cts.

**Paris Green.** Mix at the rate of 1 lb. to 200 gals. of water. Effective against all chewing insects. 1-lb. can 35 cts.,  $\frac{1}{2}$ -lb. can 20 cts.,  $\frac{1}{4}$ -lb. can 12 cts. Fluctuates in price.

**Slug-shot (Hammond's).** Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. 5-lb. pkg. 30 cts., 10-lb. pkg. 50 cts., 100-lb. pkg. \$4.50.

**Sulpho-Tobacco Soap.** Dissolve in proportion of 2 ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, greenfly, bark-lice, etc. 3-oz. box, 10 cts., 8-oz. box, 20 cts., 10-lb. box, \$3.

**Sulphur, Powdered.** Valuable for protecting against mildew on grapes, roses, etc. Lb. 10 cts., 10 lbs. 60 cts., 100 lbs. \$4.

**TOBACCO DUST—**

**Ordinary Kind.** For dusting. Lb. 10 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 100 lbs. \$2.75.

**Stoohoff's "Black Stuff."** For dusting. 50 lbs. \$2.25, 100 lbs. \$4.

**Stoohoff's "Fumigating Kind."** For burning. 50 lbs. \$2.25, 100 lbs. \$4.

**Tobacco Stems.** For fumigating. Bale of about 100 lbs. \$1.50; 200 lbs. \$2.75, 400 lbs. \$4.50.

**Tree Tanglefoot.** A sticky substance applied directly to the bark. To protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long. 1-lb. can 30 cts., 3 lbs. 85 cts., 10 lbs. \$2.65, 20 lbs. \$4.80.

**Weed Killer, Sterlingworth.** Destroys weeds, briars, thistles, poison ivy, etc. 1 gal. covers 3 to 4 square yards. Directions on package. 1-lb. pkg. making 15 gals., covering 45 to 60 square yards, 50 cts., 3-lb. pkg. making 45 gals., covering 130 to 180 square yards, \$1.25, 5-lb. pkg. making 100 gals., covering 300 to 400 square yards, \$2.

**Fish Oil Soap (formerly called Whale Oil Soap).** For washing trees and destroying all insects on the bark. 1-lb. box. 15 cts., 5 lbs. 50 cts., 10 lbs. 90 cts., 100 lbs. \$7.

**Worm Eradicator, "Radix."** 1 lb. makes 30 gals., directions on can. Lb. 50 cts.

**Worm Eradicator.** Tucker's Magnet. See prices, etc., on page 47.

**X. L. All Liquid Insecticide.** For spraying. Purely nicotine; harmless to very delicate plants; kills mealy bugs, red spider and all insect pests. Pt. 65 cts., qt. \$1,  $\frac{1}{2}$ gal. \$1.75, gal. \$3.50.

**FOR SAN JOSE SCALE—**

**California Wash (Lime-sulphur solution).** One gallon makes 15 by adding water. Qt. 40 cts., gal. \$1, 5 gals. \$3.50, 50 cts. gal. in bbl. lots.

**Scalecide.** Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary. Add 1 gallon for every 15 to 20 gallons of water. Qt. 40 cts., gal. \$1, 5 gals. \$3.25.

# High-Grade Fertilizers

ALL NET CASH

## Thorburn's Complete Manure

Guaranteed to contain ammonia, 3 to 4 per cent; available phosphoric acid, 6 to 8 per cent; actual potash, 6 to 7 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. Adapted for use on all crops, such as corn, tomatoes, potatoes, peas, beans and early vegetables and is especially suited for grain crops. Use 1,200 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$40 00
Single bags of 167 lbs.....	4 00
Per bag of 100 lbs.....	2 75
50 lbs.....	1 65
25 lbs.....	1 00
10 lbs.....	50

## Thorburn's Lawn Fertilizer

Guaranteed to contain ammonia, 6 to 7 per cent; available phosphoric acid, all soluble, 8 to 10 per cent; actual potash, 5 to 6 per cent; lime, sulphate of magnesia, soda, sulphuric acid, etc. Specially prepared for lawns and meadows as a top-dressing, imparting to grass a rich green color and vigorous growth. Apply broadcast at rate of 1,000 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$50 00
Single bag of 167 lbs.....	5 00
Per bag of 100 lbs.....	3 25
50 lbs.....	2 00
25 lbs.....	1 25
10 lbs.....	75

## Acme No. 1 Potato Manure

Guaranteed to contain ammonia, 4 per cent; available phosphoric acid, 6 per cent; actual potash, 10 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. This manure is for special use on the potato crop, and is also adapted for sweet potatoes, vines and fruit trees, and all leguminous plants. Use broadcast, about 1,500 lbs. to the acre.

In 167-lb. bags, per ton.....	\$44 00
Single bags of 167 lbs.....	4 50
Per bag of 100 lbs.....	3 15
50 lbs.....	1 75
25 lbs.....	1 00
10 lbs.....	50

## Clay's Celebrated Fertilizer

One of the best manures for all horticultural purposes, either in greenhouse or garden. Splendid for mixing with potting soil and as a top-dressing. Notwithstanding its apparently high price, it is quite economical.

### PRICES IN BAGS

1 cwt. (112 lbs.).....	\$7 00
½ cwt. (56 lbs.).....	4 00
¼ cwt. (28 lbs.).....	2 25
⅙ cwt. (14 lbs.).....	1 25

## Agricultural Salt

For asparagus beds, etc., in bags of about 200 lbs., \$1.25 per bag; about \$10 per ton. Not less than one bag sold.

## Thompson's Vine Manure

Unrivalled for vines, tomatoes, cucumbers, fruit trees and all foliage, flowering and fruit-bearing plants, also for vegetables and outdoor plants of every description. Splendid for lawns, tennis courts, putting greens, etc. The result of many years' practical experience. Per cwt. (112 lbs.), \$7; ½cwt. (56 lbs.), \$4.

## Bowker's Ammoniated Food for Flowers

The best dressing for potted plants. Excellent for use on house plants, being entirely odorless. Small pkg., 15 cts. each, by mail., 25 cts. Large pkg., 25 cts. each, by mail, 45 cts.

## Canada Hard-Wood Ashes

Highest grade, extra-screened, unleached. For top-dressing lawns, especially if the soil is inclined to be stiff or sour, there is nothing better. 1½ to 2 tons to the acre. Price, in bags of 100 lbs. \$1.50; ton, \$22.

## Bonora

A fertilizer and plant-food.

¼-lb. package.....	\$0 25
1-lb. package.....	50
5-lb. package.....	2 50

## Pulverized Sheep Manure

A rich, pure, natural manure. Excellent as a top-dressing for lawns. Its effect is immediate and lasting. There is nothing better for mixing with the soil for greenhouse plants—one part manure to six parts soil. It is recommended for the vegetable garden, promoting a steady and rapid growth. It makes a rich and safe liquid manure—1 pound to 5 gallons of water.

5-lb. package.....	\$0 30
10 lbs.....	50
25 lbs.....	80
50 lbs.....	1 25
100 lbs.....	2 00
200 lbs.....	3 75
Ton.....	33 00

500 lbs and up at ton rate.

## Bone Fertilizers

Prices subject to change

**Pure Ground Bone Meal, No. 1.** Finely pulverized; excellent for rose-culture. It decomposes very rapidly, and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting. 5 lbs., 25 cts.; 10 lbs., 40 cts.; 25 lbs., 75 cts.; 50 lbs., \$1.25; 100 lbs., \$2.25; ton, \$33.

**Ground Bone, No. 2.** Coarser than the above, suitable for general purposes, for top dressing for lawns, and for garden and field crops. 100-lb. bag, \$2.50; ton \$38.

**Ground Bone, No. 3.** A little coarser than No. 2. 100 lbs., \$2.75; ton, \$40.

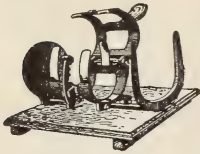
## OTHER FERTILIZERS

PRICES FLUCTUATE

Acid Phosphate.....	per 100 lb. bag, \$1.50; 200-lb. bag, \$2.50; per ton, \$20
Tankage (Blood and Bone Fertilizer).....	per 100-lb. bag, \$3; per 200-lb. bag, \$5.50; per ton, \$40
Imported Scotch Soot.....	Bags of about 112 lbs., per bag, \$3.50
Nitrate of Soda.....	5-lb. pkg., 30 cts.; 10-lb. pkg. 50 cts.; 25 lbs., \$1.25; 50-lb. bag, \$2; 100 lbs., \$3.75
Muriate of Potash.....	5-lb. pkg., 30 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.25; 50 lbs., \$2; 100 lbs., \$3.50

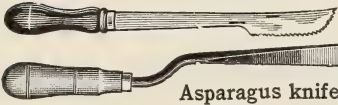
# Horticultural Implements and Garden Requisites

ALL NET CASH



**Asparagus Buncher, A c m e.**  
\$2.50.

**Asparagus Knife, English.** (Saw blade.) \$1.25.



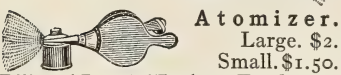
**Asparagus knife Granite State.** 50 cts.  
**Bellows, Woodason's Double Cone Powder.** \$3.



**Single Cone. Large.** \$2.



**Small.** \$1.25.



**Atomizer. Large.** \$2.  
**Small.** \$1.50.

**Bill and Brush Hooks.** For heavy pruning.—

**English.** S handle. \$2.75.

**American.** Long handle. \$1.

**Dibbles.** All Iron. 35c.

**Wood Handle.** Brass point. 65 cts.

**Iron point.** 40 cts.

**Extension Pole Grips.** 25 cts.

**FORKS, Digging or Spading.** Best quality spear point, diamond-back tine. Strapped handle. Long or D-handle. 4-tine..... \$1 00  
5-tine..... 1 25

**Hay, or Stable.** First quality oval tines. Extra-long strapped handle.  
2-tine..... 50  
3-tine..... 65  
4-tine..... 85

**Manure, Long- or Short-handled.** Strapped handle, 4-tine..... 1 00  
5-tine..... 1 25  
Extra-heavy diamond-tine. 4-tine..... 1 35  
5-tine..... 1 85

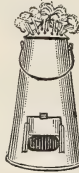
**Fruit Pickers. Handy Andy.** A simple device of two wire jaws bound in the form of a square cage with burlap. The jaws open and close with a spring on the end of the pole. A cloth tube is affixed to the pole, the end of which can be held in a box or barrel or other receptacle to catch the fruit as it runs down the tube. \$2.25.

**Fruit Picker, Perfect.** Galvanized steel wire; attaches to pole of any length. Price, without pole, 50 cts.

**Fumigating Lamp, "Defiance."** For all vaporizing liquids. No glass. Burns kerosene. 60 cts.



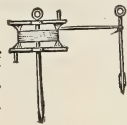
**Fumigator, "Eureka."** For fumigating with tobacco stems.  
No. 1 holds 1/2 pk. \$1.50.  
No. 2 holds 1 pk. \$2.  
No. 3 holds 1/2 bus. \$2.50.



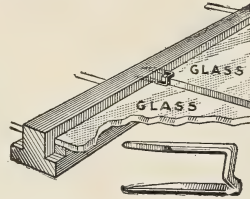
**Garden Lines, Finest Braided.** 100 feet, 50c.

**Garden Reels.**

For above; of wrought-iron. Holds 100 ft. 60 cts.



**Large Size.** \$1.



**Glazing Points, The Tiger.** 50 cts. per 1,000.

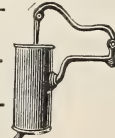
**Galvanized Staples.** Lb. box. 30c.

**Pincers.** For above. 50 cts.

**Glazing Putty, Twemlow's Old English.** Can be used with machine or bulb. \$1.75 per gal. 5- and 10-gal. buckets at \$1.60 per gal.

**Mastica.** For glazing. Qt. 40c., gal. \$1.35.

**Mastica Glazing Machine.** \$1.25.



**Glazing Putty Bulbs (Scollay's).** \$1; by mail, \$1.10



**Glass Cutter, "Red Devil."** A

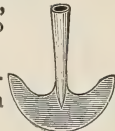
handy little tool. 10 cts. each, 75 cts. per doz.

**Gloves, Gardener's, Goatskin.** \$1. Canvas. 25 cts.

**Grafting Wax.** The best grade. 1/4 lb. pkg. 10 cts., 1/2 lb. pkg. 15 cts., lb. pkg. 25 cts.

**Grass Edging Knives, English.** \$1.75 to \$2.25.

Handle 10 cts. extra.  
**American.** With handle. 50 cts.



**Grass Hook, or Corn Knife, Crescent.**

Adjustable. 40c., by mail, 55c.

**Grass Hooks, English Riveted Back.** Thin, sharp blades, strengthened by a riveted back; light and rapidly handled. Small size. 50 cts. Medium size. 55 cts. Large size. 60 cts.

**Trowel Shank Grass Hook.** The handle is raised from the blade, making it possible to cut close without bruising the knuckles. 50 cts.

**Hotbed Sash.** Best quality.

*Packing at cost.*

**Unglazed.** 3 x 6 ft. \$1.20 each, \$13 per doz.

**Glazed and Painted.** 3 x 6 ft. 10 x 12 glass. \$3.50 each, \$38 per doz.

**Glazed and Painted.** 3 x 6 ft. 10 x 12 double glass. \$4.75 each, \$54 per doz.

**Hotbed Mats for Covering Sashes.**



Made of jute, stitched through; hemmed with canvas and

thickly padded; size, 76 inches by 76 inches; one mat covers two sashes.

**No. 1** Both sides jute. \$1.50 each, \$16 per doz.

**No. 2.** One side jute, the other side water-proof duck. \$2 each, \$22 per doz.

**HOES, Draw, or Corn.** 45c. to 50c.

**English Scuffle.** Handle, 10c. extra.



5-in..... \$0 55

6-in..... 60

7-in..... 65

8-in..... 70

9-in..... 75

10-in..... 80

12-in..... 90

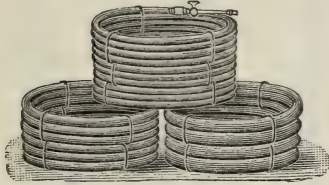
Grub..... 85c. to 1 50

**Triangular, English Warren.** Solid steel socket used in drilling seed. 65c., 75c. 85

**HOSE, Rubber.** 3/4-inch.—  
**Electric.** Electric Hose can be cut in any length. 20 cts. per ft. For less than 25 feet, add 15 cts. for couplings.



HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



**Hose, Rubber.** 3/4-inch. — Thorburn Standard. 5-ply, 11c. per ft.

X. 6-ply, 14 cts. per ft.

XX. 7-ply, 16 cts. per ft.

XXX. Best red, 7-ply, 18 cts. per ft.

Our hose is carefully selected, made of first-class material, and coupled at both ends, in 25- or 50-ft. lengths.

**Hose End, No. 1.** For connecting hose with ordinary faucets. . . . . \$0 50

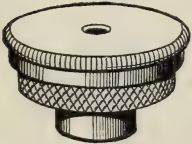
**Siamese Couplers.** With these several sprinklers can be used at the same time. 3/4-in. . . . . 60  
1-in. . . . . 75  
By mail, 10 cts. extra.

**Hose Couplings.** —  
1/2-in. . . . . 20  
3/4-in. . . . . 25  
1-in. . . . . 40

**Hose Nozzle, "Bordeaux."** For 1/4-in. pipe or 1/2-in. hose. . . . . 80

**Graduating Spray Nozzle.** Will throw coarse or fine spray, or solid stream. 3/4-in. . . by mail, 45c. . . . . 40

**Power Spray Nozzle.** . . . . I 25



**Shower Spray Nozzle.** A perfect spray nozzle made of brass; non-corrosive—will not clog.

**No. 1** Fine for spraying Each trees, etc. Standard 1/4-in. pipe thread . . . \$1 25

**No. 2** For light garden work, whitewashing, washing carriages, automobiles, etc. Standard 1/4-in. pipe thread . . . I 25

**Vermorel Nozzle.** . . . . 85

**Hose Bands, for hose couplings.** Per doz.  
To fit 1/2-in. hose . . . . \$0 50  
To fit 3/4-in. hose . . . . 60  
To fit 1-in. hose . . . . 80

**Hose Menders, Cooper's.** Brass; will not rust or wear. No fastening required. Each

For hose with 3/4-in. bore. \$0 07

Per doz., 75c.

For hose with 1-in. bore. 08

Per doz., 85c.

**Hose Reels—**

**Tubular Iron.** Never break or wear out. No. 10 will hold

100 ft., 3/4-

in. hose. \$3.

No. 20 will

hold 150 ft.,

3/4-in. hose.

\$3.50.

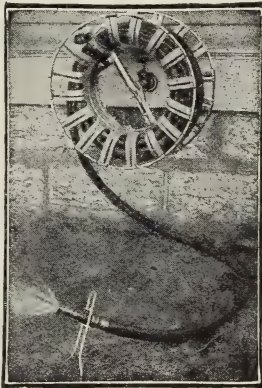
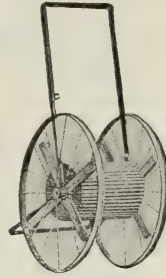
No. 30 will

hold 500 ft.,

3/4-in. hose.

\$5.

**The Cardington.** A perfect hose reel, will hold 100 ft., 3/4-in. hose. \$2.



**The "Detachable" Hose Reel.**

A special faucet is furnished with each reel, which forms a hollow axle upon which the reel revolves. The reel, with hose attached, can be detached when not in use. The water can be turned on and as much or as little of the hose unreeled as desired, while the water is running. 20 in. in diameter, 8 1/2 in. wide, holds 100 ft. 3/4-in. hose. \$5. Extra faucets, \$1.25.

**Knives, Saynor's Celebrated English.** Best make.



No. 938 No. 196 No. 187 No. 312 No. 80  
\$1.75 \$2.25 \$1.50 \$1.50 85c.



No. 400, \$1.50 No. 401, \$1.50  
Saynor's No. 343, Budding. 2 blades. \$1.75.  
Saynor's No. 403, Budding. Long-handled. \$1.75.

**Labels, Wooden, Pot and Garden.**

	PLAIN—		PAINTED—	
	100	1,000	100	1,000
4-in. \$0 15	\$0 70	\$0 15	\$0 90	
4 1/2-in. 15	80	20	1 00	
5-in. . . . . 20	90	25	1 10	
6-in. . . . . 25	1 00	30	1 35	
8-in. . . . . 45	3 50	50	4 00	
12-in. . . . . 75	6 00	85	7 00	
24-in. . . . . 2 50				

**Wooden Notched Tree—**

3 1/2-in. 10	70	15	90
6-in. . . . . 25	2 25	30	2 75
3 1/2-in. cop. wire 20	1 20	25	1 50

**Tree, Waterproof Flexible.**

Copper-wired. In boxes of 100 only, \$1.50 per box.

**Label Pencils, Black.** 5 cts.

**Mole Traps, Olmsted's Improved.**

A short trap, suitable for lawns or coldframes. \$1.50.

**The Reddick Mole Trap.**

A powerful trap used principally on lawns. Easily set. Made of galvanized iron. \$1 each, \$9.50 per doz.

**Little Giant Mole Trap.**

A small trap made of galvanized iron. Will not get out of order; self-setting. 75 cts.

**Moss, Sphagnum.** Per bale, about 50 lbs., \$2.50.

**Oil Cans.** Brass bottom. 45 cts.

**Peat, Rotted.** Per bbl., about 140 lbs., \$2.

**Orchid.** Per bbl., about 50 lbs., \$2.

**Plant Duster, Dickey's.** . . . . 25

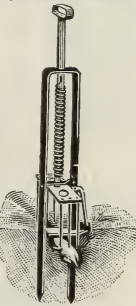
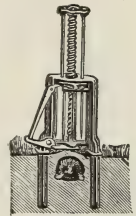
**Norton's.** . . . . 85

**PLANT STAKES, Round, Painted Green—**

	Doz.	100
2 feet. . . . .	\$0 50	\$3 00
3 feet. . . . .	75	4 50
4 feet. . . . .	1 00	6 50
5 feet, extra heavy	1 40	9 00
6 feet, extra heavy	1 85	11 00
<b>Heavy, Square, Tapering, Painted Green—</b>	Doz.	100
2 feet. . . . .	\$0 40	\$2 25
3 feet. . . . .	55	4 00
4 feet. . . . .	75	5 50
5 feet. . . . .	1 00	7 00
6 feet. . . . .	1 25	8 00

**Dahlia Poles—Painted Green, White Tops.—**

	Doz.	100
2 feet. . . . .	\$0 75	\$4 50
3 feet. . . . .	1 00	6 50
4 feet. . . . .	1 25	9 00
5 feet. . . . .	1 50	11 50
6 feet. . . . .	1 75	13 50



**HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued**

Plant Stakes, Galvanized Wire, for Roses, etc.—

	Doz.	100
2 feet.....	\$0 30	\$2 00
3 feet.....	40	2 50
4 feet.....	50	3 00
5 feet.....	60	3 50

Japanese Bamboo. Bundles of 100 only. 6 ft., \$1; 8 ft., \$1.25.

PRUNERS, Waters' Long-handled Tree—

	Each
4 feet.....	\$0 75
6 feet.....	80
8 feet.....	1 00
10 feet.....	1 10

Extra Blades..... 25  
Little Giant Pruner and Saw, combined. \$1.50.

Plain "One-Edge" Pruning Saw. Narrow blade, gets among close branches; upper edge smooth, does not cut the upper limb.

	Each
16-in.....	\$0 70
18-in.....	80
20-in.....	90



Adjustable Blade Pruning Saw. Can be adjusted and used at any angle; cuts cleanly and rapidly; light and strong. \$1.

Lightning Double Edge Pruning Saw. 16-in.... \$0 70  
18-in..... 80  
20-in..... 90



Raffia, for tying. Per lb. 20 cts., 5 lbs. 90 cts., 10 lbs. \$1.75.

RAKES, "Automatic Lawn."

26 teeth, 90 cts.	
38 teeth, \$1.15.	

English, or Daisy. 16 teeth, \$3.	
18 teeth, \$3.25.	
20 teeth, \$3.50.	
Fine-Tooth Steel Gravel Rakes—	

	Each
16 teeth.....	\$0 75
18 teeth.....	80

Hay, 3-bow (Wood)..... 35

The "Lawn King." Teeth very close. Will not tear sod. 26-teeth size..... 45  
38-teeth size..... 60

Steel Garden Rake.—

	Each
10 teeth.. \$0 50	14 teeth.. 60
12 teeth.. 55	16 teeth.. 65
	18 teeth.. 70

Wire Lawn Rakes. Will not scratch the lawn. With handle..... 50  
Wooden. For lawns..... 40



Cahoon Seeder. \$3.75.

Scythes—

English Lawn, Riveted Back. Light and thin, broad blades 32-in., \$1.50; 34-in., \$1.60; 36-in., \$1.75; 38-in., \$1.85.

Scythe Snath, or Handle, Each Patent Loop Heel..... \$1 00

Scythe Stones—  
Round Dressed Talacre. doz. \$1.75.. 25

Norton's Emery..... 10

SHEARS, Pruning. English Watch Spring... 1 50

Perfection Pruning. Each

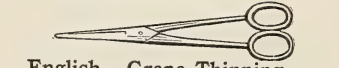
No. 1, 6½ inches.....	\$1 75
No. 2, 7½ inches.....	2 00
No. 3, 8½ inches.....	2 50
No. 4, 9½ inches.....	3 00

Wiss' Solid Steel Pruning. The best

American shear. Detachable blades. Each 9-in..... \$2 25  
10-in..... 2 50



Flower-Gathering Scissors. Combined flower cutter, holder and wire cutter. Spring pattern..... 1 00



English Grape-Thinning Scissors. 6-in..... 90  
7-in..... 1 25  
8-in..... 1 50

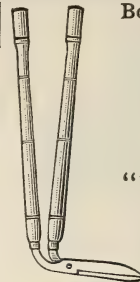


English Flower-gathering Scissors. Will cut and hold the flower. Each 6-in..... \$1 25  
8-in..... 1 50

English Hedge Shears. Plain Notch

8-in.....	\$2 25	\$2 50
9-in.....	2 50	2 75
10-in.....	2 75	3 00
Regulation. 8-in...	1 00	1 25
9-in.....	1 25	1 50
10-in.....	1 50	1 75

Seed Sowers, Little Giant. A perfect broadcast seeder. \$1.50.



Border Shears, English. For trimming the grass around the edge of paths and borders. Handles 3 ft. long. 8-in., \$2.25; 9-in., \$2.50; 10-in., \$3.

"Trowel Shank" Grass Shears, American, full polished, excellent steel. \$1.



Thorburn's New Grass Shear. This is the most practical grass shear manufactured. It can be taken apart to sharpen; best English steel. 7-in., \$1.65, by mail \$1.75.



American Lopping Shears. For lopping off limbs and branches of trees not over 1¼-in. diameter. 2-ft. handles, \$1; 3-ft. handles, \$1.25.

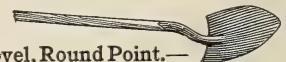


Spades—  
Square-Point Spade No. 2. Regulation long or D handle..... \$0 90

Ames No. 2. Long or D handle..... 1 25  
Boy's Spade, D. H..... 85



Shovel, Square Point.—  
No. 2. Regulation Long or D handle..... 90  
Ames No. 2. Long or D handle..... 1 25  
Boys. D handle..... 85



Shovel, Round Point.—  
Regulation long or D handle..... 90  
Ames. Long or D handle. 1 25



Vegetable Scoop, Wire. The best shovel for handling potatoes, apples, etc. Will not cut; dirt sifts out. Light weight..... 1 50

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



**Sprinklers.—**  
**Rubber Plant Sprinklers.**  
 With large opening in neck; fills



quickly; made of best white rubber. Each  
**Straightneck.** 6 oz.....\$0 50  
 10 oz..... 90  
**Angleneck.** 6 oz..... 60  
 10 oz..... 1 00  
 By mail, 10 cts. extra.



**Peck's Improved Lawn Sprinkler.** Stands 4 ft. high and distributes water over an area from 60 to 100 feet. 4-arm.. 3 00  
 8-arm..... 3 50

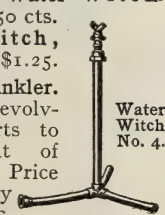
**The "New Comet."** An adjustable revolving sprinkler. Will sprinkle from 5 to 30 feet. Easily moved. Weight 4½ lbs. 3 50



**"Twin Comet."**  
 A lawn sprinkler in two parts—one slow and three fast revolving arms, distributing the water over an area from 60 to 80 feet. \$5.



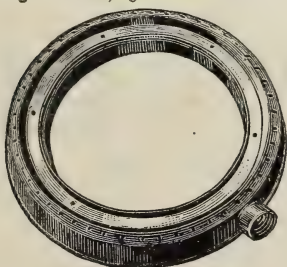
No. 3. 50 cts.  
**Water Witch,**  
 No. 4. \$1.25.



Water Witch No. 4.

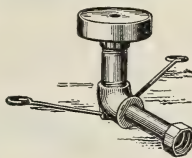
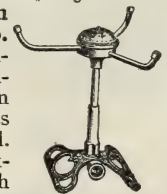
W. W. No. 3

**Ring Sprinkler.**  
 Has no revolving parts to get out of order. Price 75c.; by mail, 85c.



**Hotchkiss Lawn Sprinkler No. 55.** The most popular 3-arm sprinkler on the market; made of brass, nickel-plated, with malleable iron runners. Will cover an area 30 feet in diameter. \$1.25.

**Hotchkiss Lawn Sprinkler No. 65.** This combination sprinkler and fountain is beautiful as well as useful. Brass and nickel-plated, with malleable iron runners. Will cover an area 40 feet in diameter. \$1.75.



**Shower Sprinker.**  
 Mounted on holder for sprinkling lawns—or can be attached

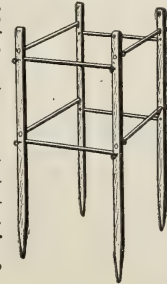
directly to garden hose for washing sidewalks, etc. Cannot clog or get out of order; will not rust. Standard ¾-in. hose connection. Holder and nozzle complete. \$2.



**Supports, Carnation.**  
 Made of light wire, galvanized. 2-ring, 75 cts. per doz., \$5 per 100; 3-ring, 90 cts. per doz., \$5.50 per 100, \$45 per 1,000.

**Supports, Tomato.**  
 Made of heavy wire, galvanized. 20 cts. each, \$1.50 per doz.

**Supports, Wood Tomato.** 36 in. high, 16 in. wide. Solidly made of clear, straight wood. Can be taken apart and stored when not in use. Will last for years. 25c. ea., \$2.50 per doz.



**SYRINGES.** See page 137.  
**Trowels, Solid Steel.** Cheapest trowel in the long run; light, strong, durable and perfect "hang"; handle cannot come off. 5-in. blade, 40 cts.; 6-in., 50c.; 7-in., 60 cts.

**Trowels, Ordinary.** 6-in., 20 cts.  
**Trowel, Transplanting.** A perfect trowel for transplanting and putting in bulbs; solid steel. 6-in., 15 cts.; 10-in., 20 cts.

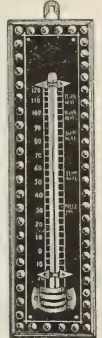
**Thermometers—**



**Oxidized Metal Scale, Polished Back.** A thermometer for house use, durable and well made. Will last a lifetime. Tube magnifies and is easy to read. 8-inch size, 75 cts.; 10-inch size, \$1.00; 12-inch size, \$1.25.

**Oxidized Metal Scale, Carved Back.** Same as the preceding, but with fancy border. 8-inch size, 75 cts.; 10-inch size, \$1; 12-inch size, \$1.25.

**Self-Registering, Polished Back.** For indoor use; will register extremes of heat and



cold; made of hard wood. A magnet is used to draw back the indicating points. 10-in. size, \$2; 12-inch size, \$2.50.

**Self-Registering, Japanned Case.** The same as preceding, with tin case for outside use. Enamelled case and porcelain scale. 8-in. size, \$2.75; 10-inch size, \$3.25; 12-inch size, \$3.75.

\$3.25;  
 \$3.75

**Japanned Tin Case.** A cheap thermometer for greenhouse use; all metal. 10-inch, 25c. each, \$2.50 per doz.

**Hotbed, New Style.** Copper sheathed. Tip can be removed and cleaned. \$2.  
**Mercury Bath, or Hotbed.** New. Quick-acting; all of metal. Can not rust or break. \$2.



Transplanting Trowel



Steel Trowel

**HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued**

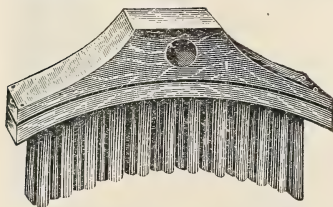


**Hotbed and Mushroom-Bed Thermometers.** Brass-tipped point encloses the temperature bulb; it is simply thrust into the soil or bed. Best grade (made of boxwood). \$1.25. Standard Grade (made of soft wood). \$1.00.

**Torch, Asbestos.** Very useful and simple. The only sure way to get rid of caterpillars' nests on trees.

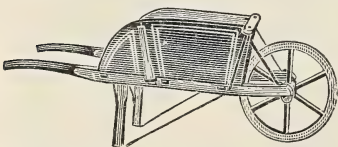
Small size. 15 cts.  
Large size. 25 cts.

**Tree Brush.** Small size; fine wire bristles; useful for brushing young trees. \$1.25.



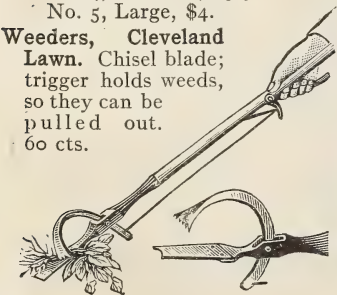
**Tree Brush, Wire.** For older trees; can be used with long handle. Price, complete, \$2.00.

**Tree Scraper.** For scraping diseased bark from trees, removing insect eggs, etc. 50 cts.



**Thorburn's Garden Wheelbarrow.** None better made. Iron braced and bolted. Finished in natural wood, red or green. Steel wheel if desired, 50 cts. extra.  
No. 2, Small, \$2.50.  
No. 4, Medium, \$3.50.  
No. 5, Large, \$4.

**Weeders, Cleveland Lawn.** Chisel blade; trigger holds weeds, so they can be pulled out. 60 cts.



**Weeder, Excelsior Finger.** Useful for loosening and pulverizing the soil. 10 cts. each, \$1 per doz.



**Weeder, Lang's Hand.** A strap over the finger keeps the tool in the hand while

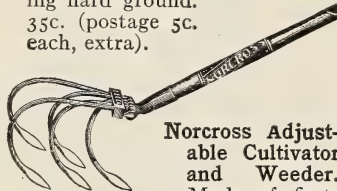
operator's fingers are left free. 20 cts. each, \$2.25 per doz.

**New Hand Weeder.** A small hand hoe; very useful in the flower garden. Blade 1-in. by 3-in. 20c.

**Eureka Hand Weeder.** The prongs of solid forged steel are thin and long; fine for loosening soil. Short handle. 25 cts.



**Magic Weeder.** Combined weeder and hoe. Fingers of tempered steel. The hoe is useful in loosening hard ground. 35c. (postage 5c. each, extra).



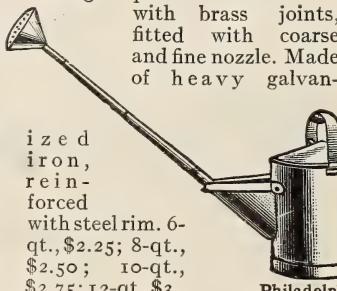
**Norcross Adjustable Cultivator and Weeder.**

Made of first-class material, the teeth forged from a solid steel rod. Can be entirely taken apart, every piece being detachable. Works between the rows, or center tooth can be removed to straddle the row. \$1.

**Watering Pot, The "Philadelphia."** With brass joints and two copper-faced roses.

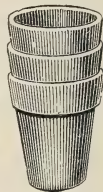
Each  
6-qt. .... \$2 00  
8-qt. .... 2 25  
10-qt. .... 2 50  
12-qt. .... 2 75

**Watering Pots, French Model.** Long spout with brass joints, fitted with coarse and fine nozzle. Made of heavy galvanized iron, reinforced with steel rim. 6-qt., \$2.25; 8-qt., \$2.50; 10-qt., \$2.75; 12-qt., \$3.



**Mehler's Handy Garden Tool.** One of the best tools for breaking the crust of the ground and weeding. \$1.

**Flower Pots.** Best make. Of sizes 2 to 3 inches we do not sell less than 100, of larger sizes not less



than a dozen. We pack carefully in the best manner, but will not be responsible for breakage in transit.

Size, height and width, inside	Per doz.	100	1,000
2 inches..	\$0 70	\$5 50	
2 1/4 " "	" 75	6 25	
2 1/2 " "	" 85	7 50	
3 " "	" 1 10	9 75	
3 1/2 " "	.. \$0 30	1 50	13 00
4 " "	" 35	1 75	15 00
4 1/2 " "	" 40	2 25	21 00
5 " "	" 50	3 00	28 00
6 " "	" 65	4 25	40 00
7 " "	" 1 00	7 00	
8 " "	" 1 50	9 50	
9 " "	" 2 00	13 50	
10 " "	" 2 50	18 00	
11 " "	" 3 50	25 00	
12 " "	" 4 50	35 00	

**Flower Vases.** Indurated wood-fiber; for cut-flowers.

No.	Diam.	Depth	Each
0	8 in.	13 in.	\$0 60
1	5 1/2 in.	10 in.	50
2	4 1/2 in.	9 in.	45
3	4 in.	6 in.	35



**Flower-Pot Saucers, Indurated Wood-Fiber.** Light and durable. Not porous; will protect tables on which plants stand. Each Doz.

6-inch.....	\$0 15	\$1 65
8-inch.....	18	1 90
10-inch.....	20	2 20
12-inch.....	24	2 60
14-inch.....	30	3 30

**Tree Tubs, New York Style.** Made of cedar timber, painted green.



No.	Diam.	Height	Each
1	12 ins.	10 5/8 ins.	\$1 35
2	13 " "	12 3/4 " "	1 75
3	14 1/2 " "	14 3/4 " "	2 25
3 1/2	16 1/2 " "	15 3/4 " "	2 75
4	19 1/2 " "	16 3/8 " "	3 00
5	22 1/2 " "	18 1/2 " "	3 75

**Syringes**



No. A. 1 spray rose and 1 jet. Length of barrel 12 in., diam. 1 in. \$2.50.



No. G. 1 spray rose and 1 stream jet, side attachment and elbow joint for sprinkling under foliage. Length of barrel 16 in., diam. 1 1/2 in. \$5.



No. H. Sheet brass with fixed spray rose; length of barrel 16 in., diam. 1 1/2 in. \$3.



No. 2. 1 coarse and 1 fine spray rose and 1 jet, side attachment. \$4.50.



No. 3. Large size with 1 stream and 2 spray roses, with side pieces on barrel. Length of barrel, 18 in., diam. 1 1/2 in. \$6.50.



No. 6. Large size, with 1 spray rose and Gooseneck angle joint, turning in all directions, for washing the undersurface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diam. 1 1/2 in. \$8.

**Bucket Spray Pump**

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream 50 feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an 8-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows. Price, \$3.75.



**Hand Spray Pump**

A very useful sprayer for a small garden. Simple and effective; no valves to get out of order. Made of tin or brass. Tin 75 cts. each, brass \$1 each.

**The "Pomona"**

A perfect sprayer- Outfit C, with agitator and one lead 15 feet 1/2-in. discharge hose, with spray nozzle. \$18.75. Outfit D, with Agitator and two leads of 15 feet each 1/2-in. discharge hose, with spray nozzles. With barrel, \$22.

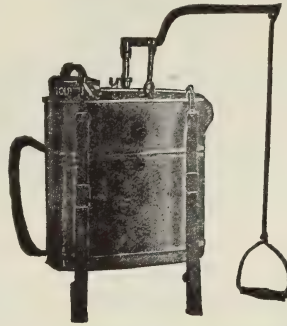
**The "Fruital"**

Same as Pomona, but smaller. Outfit C, Sprayer with agitator and one lead 15 feet 1/2-in. discharge hose, with spray nozzle. With barrel, \$13.75. Outfit D, Sprayer with agitator and two leads, 15 feet each, 1/2-in. discharge hose with spray nozzles. \$17.

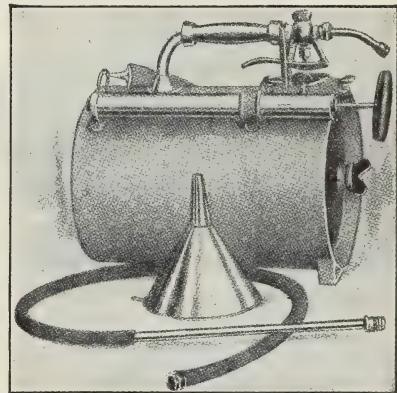
**Knapsack Spray Pump**

FOR VINEYARD, ORCHARD AND FIELD SERVICE

Made entirely of brass and copper, with ball valves and metal plunger all easily accessible. The discharge is at the bottom and the pump can be entirely drained of the liquid. It should be carried on the back with the straps crossed in front. The reservoir is made of heavy copper and will hold about five gallons. Price, complete, with 3 1/2 feet of 3/8-inch discharge hose. Vermorel nozzle and lance for degorger \$13. Special agitator, 75c. extra.



Knapsack Spray Pump



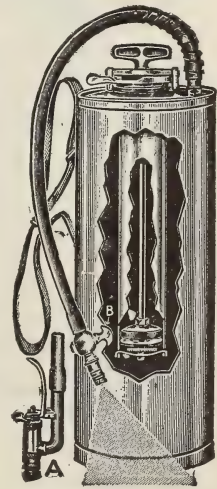
Lowell's Fountain Compressed-Air Sprayer

**Lowell's Fountain Compressed-Air Sprayer**

Galvanized steel, aluminum finish; capacity three gallons. Tree attachment and galvanized funnel with brass strainer with every machine. The simplest compressed-air sprayer made. One charge sufficient to expel entire contents of tank. Price \$5. Additional brass extensions for tree attachment, 2 feet long, 50 cts.

**"Auto-Spray" Pump**

A self-operating sprayer of simple construction, durable easy to carry and to work. Made of galvanized iron or solid brass, with 4-ply rubber hose. For spraying trees, cleaning windows, etc. A perfect pump. Price, with brass tank and stop-cock nozzle, \$6.75; galvanized iron tank and stop-cock nozzle, \$4.50. Brass extension pipe, 2 feet, 45c. extra. Fitted with "Auto-Pop" nozzle, \$1 extra. "Auto-Pop" nozzle if sold alone, \$1.50.

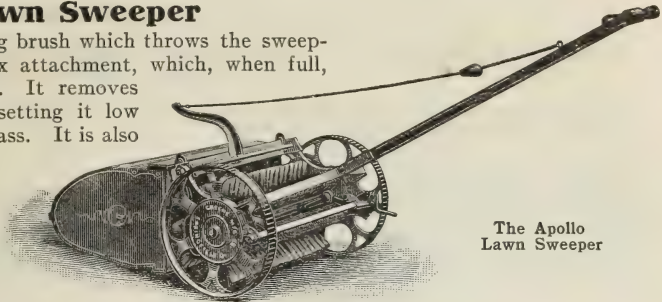


"Auto-Spray" Pump

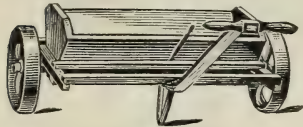


### The Apollo Lawn Sweeper

The machine consists of a revolving brush which throws the sweepings *forward* into the large grass box attachment, which, when full, is dumped by merely pulling a cord. It removes cut grass, leaves, twigs, etc., and by setting it low it is excellent for taking out crab grass. It is also valuable for sweeping garden walks, stables, etc. Price, 28-inch sweep, \$14.



The Apollo Lawn Sweeper



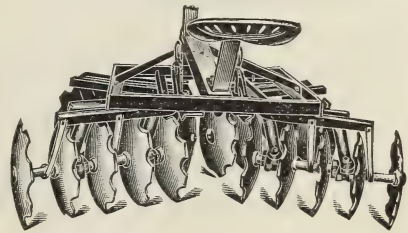
Stevens Hand-Fertilizer Sower

### Stevens Hand-Fertilizer Sower

Sows all kinds of lawn dressing and other commercial fertilizers, in large or small quantities. Excellent for sifting wood- or coal-ashes, sawdust or dry sand on icy walks; by removing two blades, will sow damp sand. The hopper is 34 inches long and holds one and one-half bushels. Price, \$12.

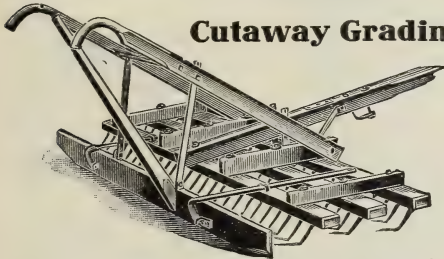
### Clark's A5 Double-Action Cutaway Harrow

This Harrow will cut and reduce the toughest sod to plant food without the aid of a plow. It will cut from 28 to 30 acres, or will double-cut 15 acres in a day. It can be set so as to move the earth but little, or at so great an angle as to move up the earth 1 foot. It keeps the surface true and the machine runs true in line or draft. Price, \$32, net, f. o. b. factory (Conn.).



Clark's A5 Double-Action Cutaway Harrow

### Cutaway Grading, or Smoothing and Leveling Harrow



With this tool any field can be made smooth and the soil pulverized fine enough for a flower-bed. Will smooth an acre in twenty minutes. It is adjustable with a lever, by which the entire action is controlled by the driver, and he can remove at will all the earth possible for the team to haul, taking it from hills or uneven places and putting it into hollows, to level up the field. For one horse (6 feet wide), \$13.50. For two horses (8 feet wide), \$15.50, f. o. b. factory (Conn.).

Cutaway Grading, or Smoothing and Leveling Harrow



### FARMOGERM

A preparation of high-bred, nitrogen-gathering bacteria in sealed bottles, ready to use, with water added according to directions. Bottles contain enough Farmogerm to inoculate the seed for one acre. Prepared for the following crops:

**Price per acre, \$2. State for what crop Farmogerm is wanted, when ordering**

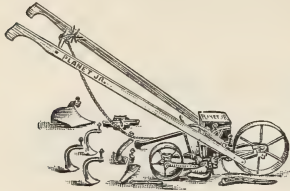
- |                |                   |
|----------------|-------------------|
| White Clover   | Canada Field Peas |
| Red Clover     | Garden Peas       |
| Crimson Clover | Sweet Peas        |
| Alsike Clover  | Soy Beans         |
| Alfalfa Clover | Garden Beans      |
| Cowpeas        | Vetches           |

Also in garden sizes, enough for 1,000 square feet or a 200-foot row, for Peas, Beans, Sweet Peas and White Clover, at 50 cts. per bottle. We secure cultures fresh from the laboratory, hence it takes two or three days to fill orders.

## "Planet Jr." Farm and Garden Tools

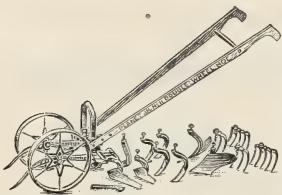
Illustrated catalogue describing fully many other "Planet Jr." tools mailed on application. Prices are quoted net f. o. b. New York.

### "Planet Jr." No. 4 Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow



This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. Price, \$11; as a seeder only, \$9.

### "Planet Jr." No. 11 Double Wheel Hoe, Cultivator and Plow

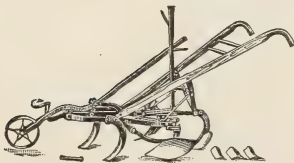


This perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame is steel with ample room for tool adjustment and can be set three different heights. Price, \$9.

**No. 12.** Double Wheel Hoe, Cultivator and Plow. Identical with No. 11 Wheel Hoe, except fewer attachments. Price, \$7.

**No. 13.** Double Wheel Hoe. Same as No. 12, but hoe only. Price, \$4.75.

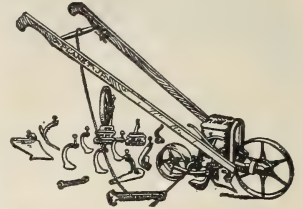
### "Planet Jr." No. 8 Horse Hoe and Cultivator



Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse-Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. The frame is extra long and extra high, making a tool that will not clog easily. Price, \$9; without depth-regulator (No. 7), \$8.50.

### "Planet Jr." No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.

This combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. It is large enough for field use, for it holds two and one-half quarts. Price, \$13.50.



### "Planet Jr." No. 16 Single Wheel Hoe, Cultivator, Rake and Plow

This Single Wheel Hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. Price, \$5.85.

**No. 17.** Single Wheel Hoe. \$5.

**No. 18.** Single Wheel Hoe. \$3.50.

The No. 17 and 18 are like the No. 16, but have fewer attachments.



### "Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer

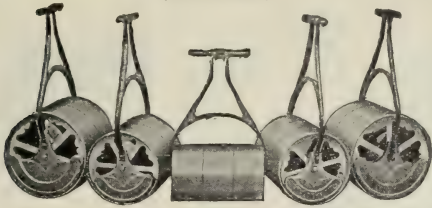
This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and chisel-shape teeth. The Foot-Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth, while in motion; it contracts to 12 inches and expands to 32 inches. Price, \$9 complete; with wheel only, \$7.40; without wheel or pulverizer, \$6.20.





### Cast-Iron Hand Lawn Rollers, with Roller Bearings

(Patented)



No.	Diam.	Length	Sections	Weight, lbs.	Net price
No. 401	.15	.16	2	150	\$8 00
No. 402	.15	.24	3	200	10 00
No. 404	.20	.20	2	250	13 00
No. 407	.20	.24	2	300	15 00
No. 409	.24	.20	2	400	21 75
No. 411	.24	.24	3	450	22 00
No. 412	.24	.30	3	500	24 50
No. 415	.28	.30	3	600	29 00

### Steel Horse Rollers



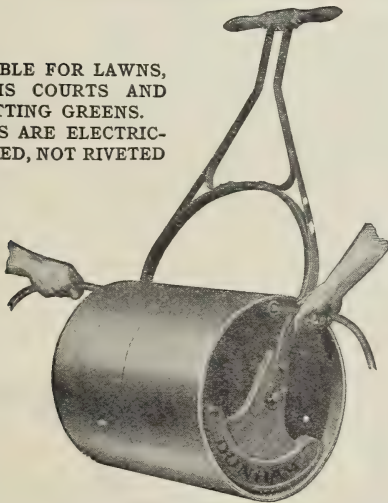
No.	Length feet	Diam. inches	Sections	Weight pounds	Price
532	.6	.24	3	485	\$25 00
534	.7	.24	3	540	27 00
536	.8	.24	3	585	29 00
539	.9	.24	3	635	31 50
541	.10	.24	3	680	36 00

### Water-Ballast Roller

Roller Bearing. Can Be Filled without Turning on End, with Either Water or Sand

(Patented)

SUITABLE FOR LAWNS,  
TENNIS COURTS AND  
PUTTING GREENS.  
SEAMS ARE ELECTRIC-  
WELED, NOT RIVETED



One or two-section "Water Weight" Rollers, without counterbalancing handle-weights.

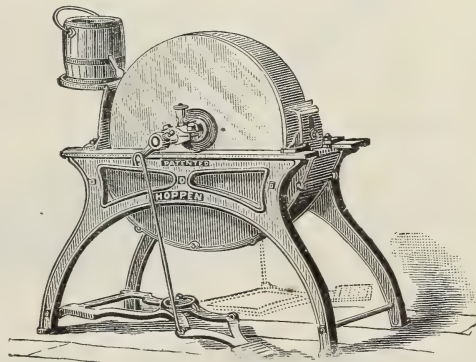
No.	Diam. in.	Length in.	Sec- tions	Weight empty, lbs.	Weight filled with water, lbs.	Weight filled with sand, lbs.	Price
2	.14	.20	1	60	200	300	\$10 00
4	.18	.24	1	75	300	500	13 00
6	.24	.24	1	125	500	800	17 00
10	.18	.24	2	100	300	500	18 00
12	.24	.32	2	170	650	1000	24 00

If handle-weight is desired, add \$1.50 to above prices.

### Lawn Trimmers

FOR TRIMMING CLOSE TO WALLS OR FENCES  
Coldwell's, 8-inch cut .....\$5 00

### Hoppen Grindstones



No wood to rot, no rivets to come loose. Frames, being of iron, will last a lifetime.

Legs are a part of frame so that it is impossible for them to become loose or wobbly.

The stone spins lightly on self-oiling, self-aligning journals.

It is held firmly by powerful flanges and nuts on a shaft turned from a steel bar and hung true.

Size of stone, 24 in. diameter, 2½ inches wide.

Price, frame and stone, with pulley or treadle, shield pan and iron bucket, complete, \$18.

Same as above, with both pulley and treadle. \$20.

Hand crank can be supplied for 70 cts. extra.

We can furnish Rollers in many sizes and weights, as well as those quoted. We list the above as being the ones most in demand. Prices on other sizes on application.

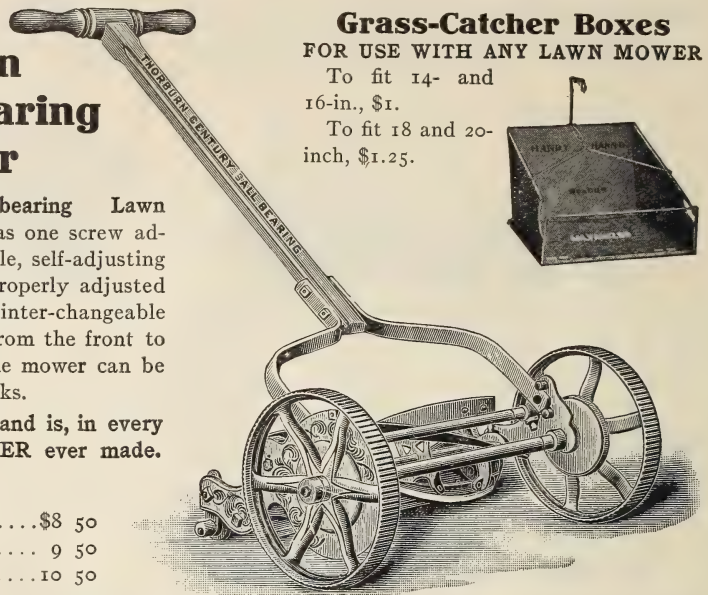
## The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-bearing Lawn Mower is a marvel of simplicity, as one screw adjusts both bearings. It has a simple, self-adjusting device, which keeps the bearing properly adjusted for a long time, and a double inter-changeable ratchet. By shifting handle bales from the front to the rear lugs on the side frame, the mower can be made to cut terraces and steep banks.

Manufactured expressly for us, and is, in every respect, the BEST LAWN MOWER ever made.

### NET PRICES

14-inch cut.....	\$8 50
16-inch cut.....	9 50
18-inch cut.....	10 50
20-inch cut.....	11 50



### Grass-Catcher Boxes

FOR USE WITH ANY LAWN MOWER

To fit 14- and 16-in., \$1.

To fit 18 and 20-inch, \$1.25.

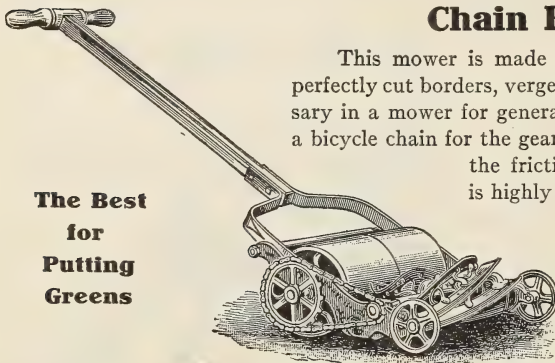


## Chain Roller or Golf Mower

This mower is made to meet the demand for a machine that will more perfectly cut borders, verges, etc., and yet retain all the other features necessary in a mower for general work. Its great advantage is the substitution of a bicycle chain for the gears generally used in this style of mower. This reduces the friction to a minimum. The machine with six blades is highly recommended for work on putting greens.

### NET PRICES

	4 Blades	6 Blades
12-inch cut.....	\$12 00	\$13 00
14-inch cut.....	13 00	14 00
16-inch cut.....	14 00	15 00
18-inch cut.....	16 00	17 00



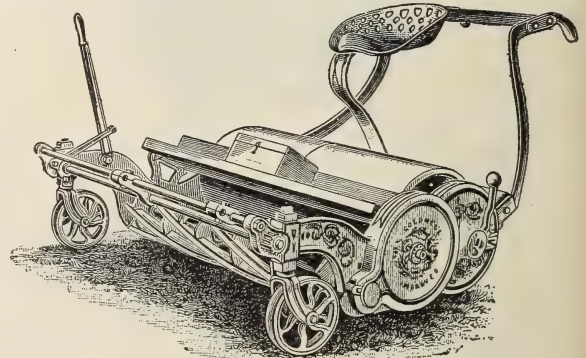
The Best  
for  
Putting  
Greens

## Coldwell Improved Horse Lawn Mower

This well-known standard Mower has side draft attachment, to enable the horse to walk on the cut grass only, and caster-rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement; the same lever serves the purpose of raising the knives from the ground when driving over gravel walks or roads.

### NET PRICES free on board New York

25-inch cut, no shaft.....	\$38 00
30-inch cut, complete.....	65 00
35-inch cut, complete.....	78 00
40-inch cut, complete.....	95 00



### Horse Boots

PREVENT CUTTING UP THE TURF

Made of very strong, heavy leather, closely riveted. Price, per set of four, \$9.

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# THORBURN'S LIST OF VEGETABLE SEEDS

That May Be Sown in Each Month from February to September in the Climate of New York

FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
<b>SOW IN HOTBED</b> Early Beans Broccoli Early Cabbage Forcing Carrot Early Celery Cucumber Eggplant Early Lettuce Parsley Pepper Radish Tomato	<b>SOW IN HOTBED</b> Early Beans Early Beets Brussels Sprouts Early Cabbage Forcing Carrot Cauliflower Celery Eggplant Kohlrabi Lettuce Parsley Pepper Radish Tomato	<b>SOW IN HOTBED</b> Cucumber Eggplant Melon Pepper Tomato	<b>IN OPEN GROUND</b> Artichoke Asparagus Beans, Bush and Running Beets Brussels Sprouts Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohlrabi Leek Lettuce Melon Onion Parsley Parship Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	<b>IN OPEN GROUND</b> Beans, Lima and all other sorts Beets Broccoli Brussels Sprouts Late Cabbage Carrot Cauliflower Sweet Corn Cress Cucumber Endive Kale Kohlrabi Lettuce Melon Nasturtium Okra Early Peas Potatoes Pumpkin Radish Salsify Spinach Squash Herbs	<b>IN OPEN GROUND</b> Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Gherkin Kale Kohlrabi Lettuce Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash White Fr. Turnip Rutabaga	<b>IN OPEN GROUND</b> Beans, Bush Tuberous Chervil Corn Salad Cucumber Endive Lettuce Welsh Onion Early Peas Radish Spinach Turnip	<b>IN OPEN GROUND</b> Cabbage for cold-frames Cauliflower for coldframes Tuberous Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas
<b>Extra Early</b>	<b>IN OPEN GROUND</b>	<b>IN OPEN GROUND</b>	<b>IN OPEN GROUND</b>	<b>IN OPEN GROUND</b>	<b>IN OPEN GROUND</b>	<b>THORBURN</b>	<b>Upright Sweet</b>
<b>Nordheim</b>	Bean, B. Windsor	Celery Cress Kohlrabi	Celery Cress Kohlrabi	Lettuce Melon Onion	Pumpkin Okra Early Peas	<b>GILT-EDGE</b>	<b>Salad Pepper</b>
<b>Sweet Corn</b>	Beets	Lettuce Onion Parsley	Lettuce Onion Parsley	Parsley Parship Peas	Radish Spinach Squash	<b>CAULIFLOWER</b>	<b>Largest</b>
<b>Earliest of all</b>	Leek	Onion Parsley	Onion Parsley	Okra Early Peas	White Fr. Turnip	<b>LARGEST</b>	<b>Noroton</b>
<b>Very productive</b>	Peas	Potatoes Radish	Potatoes Radish	Radish Salsify	Enkhuizen	<b>SUREST AND</b>	<b>White Spine</b>
<b>Finest quality</b>	Spinach Early Turnip	Spinach Early Turnip	Spinach Early Turnip	Squash Herbs	Glory Cabbage	<b>BEST OF ALL</b>	<b>Cucumber</b>

## J. M. THORBURN & CO., SEEDSMEN, NEW YORK

33 BARCLAY STREET THROUGH TO 38 PARK PLACE

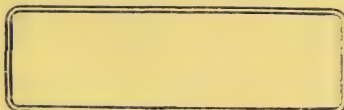
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Please notice that our prices are quoted at the lowest New York figures, and do not include the payment of express charges or postage except for seeds in packets, ounces or ¼ lbs. on which we pay postage and expressage. If wanted by mail, add 8c. per lb. for postage.



ORDER SHEET FOR SEEDS, Etc.



# J. M. THORBURN & CO.

**33 BARCLAY STREET, through to 38 PARK PLACE, NEW YORK.**

Name .....

Please forward by .....  
(State here if wanted by Express, Freight or Mail)

Post Office .....

Express Office (if different from P. O.) .....

County ..... State .....

AMOUNT ENCLOSED, \$ ..... Date ..... 191

*Messrs. J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. J. M. THORBURN & CO.*

QUANTITY

ARTICLES WANTED

PRICE





From.....

.....

# J. M. THORBURN & CO.,

33 BARCLAY STREET through to 38 PARK PLACE,

P. O. Box 1449.

New York, N. Y.







**ORDER SHEET FOR SEEDS, ETC.**

**J. M. THORBURN & CO., 33 Barclay St., New York.**

**WE PAY  
POSTAGE OR  
EXPRESS  
CHARGES ON  
ALL SEEDS  
BOUGHT BY  
THE PACKET,  
OUNCE AND 1/4 LB.**

*Send by* ..... (State here if wanted by Express, Freight or Mail.)

*To (Name)* .....

*Post Office* ..... *Express Office (if different from P. O.)* .....

*County* ..... *State* .....

**AMOUNT ENCLOSED, \$** ..... **Date** ..... **1912**

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

**VEGETABLE SEEDS**

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ cts.			\$ cts.			\$ cts.
	<b>ARTICHOKE</b>			<i>Brought forward</i> .....			<i>Brought Forward</i> .....	
.....	French Globe .....			<b>Beans—Dwarf Green-Pod—continued</b>			<b>Beans—White—continued</b>	
.....	“ “ Artichoke Roots .....		.....	Stringless Green Pod Giant ..		.....	Burpee Bush Lima .....	
.....	Jerusalem Artichoke Roots ..		.....	Thorburn's Long-Pod Forcer		.....	Burpee Imp'd Bush Lima ...	
	<b>ASPARAGUS</b>		.....	Valentine .....		.....	Fordhook Bush Lima .....	
.....	Colossal, Seed .....		.....	“ Black .....		.....	Henderson Bush Lima .....	
.....	“ Roots, 2 year old ..		.....	“ Giant Stringless ..		.....	Wood's Prolific Bush Lima ..	
.....	Palmetto, Seed .....			<b>BEANS—ENGLISH DWARF</b>		.....	Dwarf White Flageolet .....	
.....	“ Roots 2 year old ..		.....	Broad Windsor .....		.....	White Kidney .....	
.....	Columbian Mam., Seed .....			<b>BEANS—DWARF WAX</b>		.....	White Marrow .....	
.....	“ “ Roots .....		.....	Black Wax, Prolific .....			<b>BEANS—POLE</b>	
.....	Bonvalette's Giant Seed .....		.....	“ “ Pencil-Pod .....		.....	Lima, Challenger .....	
	<b>BEANS—DWARF GREEN-POD</b>		.....	Burpee's New Kidney Wax ..		.....	“ Carpinteria .....	
.....	Bountiful .....		.....	Currie's Rustproof .....		.....	“ Early Jersey .....	
.....	Dwarf Horticultural .....		.....	Davis Kidney Wax .....		.....	“ Large White .....	
.....	“ “ Carmine		.....	Detroit Wax .....		.....	“ King of Garden .....	
.....	Pods .....		.....	Flageolet Red Wax .....		.....	“ Ideal .....	
.....	Full Measure .....		.....	Golden Wax Improved .....		.....	“ Seibert's Early .....	
.....	Fulmer's Forcing .....		.....	“ Keeney's Rustless		.....	Black Wax Pole .....	
.....	Goddard Improved .....		.....	Golden-Eyed Wax .....		.....	Dutch Case-Knife .....	
.....	Green Seed Flageolet .....		.....	Hodson Wax .....		.....	Golden Cluster Wax .....	
.....	Hodson Green Pod .....		.....	Horticultural Dwarf Wax ..		.....	Horticultural Pole .....	
.....	Longfellow .....		.....	Michigan White Wax .....		.....	Kentucky Wonder .....	
.....	Low's Champion .....		.....	Refugee Wax, Stringless .....		.....	“ “ Wax Pods	
.....	Marvel of Paris .....		.....	Round-Pod Kidney Wax ..		.....	“ “ White Seed	
.....	Mohawk .....		.....	Sure Crop Stringless Wax ..		.....	Lazy Wife .....	
.....	Osborn's Forcing .....		.....	Valentine Wax .....		.....	Scarlet Runner .....	
.....	Refugee, or 1000 to 1 .....		.....	Wardwell Kidney Wax .....		.....	Southern Creaseback .....	
.....	“ Extra-Early .....		.....	White Wax Imp. Stringless ..		.....	Southern Prolific .....	
.....	“ Golden .....		.....	Yosemite Wax .....		.....	Butterfly Runner .....	
.....	“ Keeney's Stringless ..		.....	<b>BEANS—WHITE</b>		.....	White Dutch Runner .....	
.....	Six Weeks Long .....		.....	Thorburn Dwarf Lima .....		.....	Yard Long .....	
.....	Stringless Green-Pod .....		.....	<i>Forward</i> .....		.....	<i>Forward</i> .....	
.....	<i>Forward</i> .....		.....			.....		

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		¢			¢			¢
Brought forward.....			Brought forward.....			Brought forward.....		
<b>BEET</b>			<b>CARROT</b>			<b>Cauliflower—continued</b>		
.....	Bassano.....		.....	French Forcing.....		.....	Ex.-Ea. Snowball.....	
.....	Crimson Globe.....		.....	Carentan.....		.....	Large Ea. Snowball.....	
.....	“ “ Sutton's.....		.....	Early Round Parisian.....		.....	Thorburn Gilt-Edge.....	
.....	Detroit.....		.....	Guerande.....		.....	Denmark.....	
.....	Early Blood Turnip.....		.....	Early Scarlet Horn.....		.....	Extra-Early Paris.....	
.....	Eclipse.....		.....	Half Long Pointed.....		.....	Lenormand Short Stem.....	
.....	Edmand.....		.....	“ “ Stump.....		.....	Large Algiers.....	
.....	Egyptian.....		.....	“ “ Nantes.....		.....	Early London.....	
.....	“ Crosby's.....		.....	“ “ Chantenay.....		.....	Thorburn Nonpareil.....	
.....	Half Long Blood.....		.....	“ “ Luc.....		<b>CELERY</b>		
.....	Lentz.....		.....	“ “ Danvers.....		.....	Fin de Siecle.....	
.....	Long Smooth Blood.....		.....	St. Valery.....		.....	Giant Pascal.....	
.....	New Model.....		.....	Long Orange.....		.....	Golden Heart Giant.....	
.....	Treviso (Columbia).....		.....	White Vosges.....		.....	Golden Self-Bl. Gilt Edge.....	
.....	Witham Fireball.....		.....	White Belgian.....		.....	Golden Self-Bl. French.....	
.....	Swiss Chard or Silver Beet.....		<b>CABBAGE</b>			.....	Golden Self-Bl. American.....	
.....	“ “ Lucullus.....		.....	Baseball.....		.....	Rose-Ribbed Self-Blanching.....	
<b>MANGEL WURZEL</b>			.....	Copenhagen Market.....		.....	Kalamazoo.....	
.....	Giant Half Sugar.....		.....	Early Spring.....		.....	New Rose.....	
.....	Giant Intermediate.....		.....	Early York.....		.....	Perfection Heartwell.....	
.....	Golden Tankard.....		.....	Large Early York.....		.....	Pink Plume.....	
.....	Mammoth Long Red.....		.....	Enkhuizen Glory.....		.....	Schumacher.....	
.....	Red Globe.....		.....	Early Jersey Wakefield.....		.....	Silver White.....	
.....	Orange Globe.....		.....	Charleston Wakefield.....		.....	White Plume.....	
<b>BEET—SUGAR</b>			.....	Holstein.....		.....	Winter Queen.....	
.....	White Rose-Top.....		.....	Imp. Early Summer.....		.....	Celeriac, Erfurt.....	
.....	Klein Wanzleben.....		.....	Succession Improved.....		.....	“ Giant Prague.....	
.....	Vilmorin's Improved.....		.....	Large Late Drumhead.....		.....	“ Apple.....	
.....	Lane's Imperial.....		.....	“ “ Flat Dutch.....		.....	Cutting Celery for Soup.....	
<b>BROCCOLI</b>			.....	Thorburn Private Stock.....		<b>CHERVIL</b>		
.....	Early White.....		.....	Danish Ball-Head, long stem.....		.....	Curled.....	
.....	Mammoth White.....		.....	“ “ short stem.....		.....	Plain.....	
.....	Early Purple Cape.....		.....	Green Glazed.....		<b>CHICORY</b>		
.....	Veitch's Self-Protecting.....		.....	Volga.....		.....	Common or Wild.....	
<b>BRUSSELS SPROUTS</b>			.....	Winnigstadt.....		.....	Witloof.....	
.....	Improved Half Dwarf.....		.....	Red Zenith.....		<b>CORN—GENERAL CROP</b>		
.....	Dalkeith.....		.....	Red Stonehead.....		.....	Hickox Improved.....	
.....	Dwarf German.....		.....	Red Erfurt.....		.....	Large Eight Rowed.....	
.....	Forward.....		.....	Savoy, Ulm.....		.....	Stowell Evergreen.....	
<b>CAULIFLOWER</b>			.....	“ Late American D'h'd.....		.....	Triumph.....	
.....	Ex.-Ea. Dwarf Erfurt.....		.....	“ Early Vienna.....		.....	White Evergreen.....	
.....	Large Early Erfurt.....		<b>CORN—LATE</b>			.....	Black Mexican.....	
.....	Forward.....		.....	Chinese Cabbage.....		.....	Henderson's Sugar.....	
<b>BEET—SUGAR</b>			.....	Forward.....		.....	Late Mammoth.....	
.....	White Rose-Top.....		<b>CAULIFLOWER</b>			.....	Egyptian.....	
.....	Klein Wanzleben.....		.....	Ex.-Ea. Dwarf Erfurt.....		.....	Country Gentleman.....	
.....	Vilmorin's Improved.....		.....	Large Early Erfurt.....		.....	Tuscarora.....	
.....	Lane's Imperial.....		.....	Forward.....		.....	Sweet Fodder Corn.....	
<b>BROCCOLI</b>			.....	Forward.....		<b>CORN—GENERAL CROP</b>		
.....	Early White.....		<b>CAULIFLOWER</b>			.....	Hickox Improved.....	
.....	Mammoth White.....		.....	Ex.-Ea. Dwarf Erfurt.....		.....	Large Eight Rowed.....	
.....	Early Purple Cape.....		.....	Large Early Erfurt.....		.....	Stowell Evergreen.....	
.....	Veitch's Self-Protecting.....		.....	Forward.....		.....	Triumph.....	
<b>BRUSSELS SPROUTS</b>			.....	Forward.....		.....	White Evergreen.....	
.....	Improved Half Dwarf.....		<b>CAULIFLOWER</b>			.....	Black Mexican.....	
.....	Dalkeith.....		.....	Ex.-Ea. Dwarf Erfurt.....		.....	Henderson's Sugar.....	
.....	Dwarf German.....		.....	Large Early Erfurt.....		.....	Late Mammoth.....	
.....	Forward.....		.....	Forward.....		.....	Egyptian.....	

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		¢			¢			¢
Brought forward.....			Brought forward.....			Brought forward.....		
<b>CRESS</b>			<b>CUCUMBER</b>			<b>KALE, or BORECOLE</b>		
.....	Curled or Pepper Grass.....		.....	Cool and Crisp.....		.....	Curled Dwarf Green Scotch.....	
.....	Broad-Leaved Winter (Gray Seed).....		.....	Cumberland.....		.....	“ Tall Green Scotch.....	
.....	Erfurt Sweet Water.....		.....	Davis Perfect.....		.....	“ Dwarf Brown.....	
.....	True Water Cress.....		.....	Early Green Cluster.....		.....	“ Siberian.....	
<b>CORN, SWEET or SUGAR—EXTRA-EARLY</b>			.....	Early Russian.....		.....	Jersey Winter.....	
.....	Early Cory.....		.....	Early Short Green.....		.....	Thousand-Headed.....	
.....	White Cory.....		.....	Evergreen.....		.....	Sea Kale.....	
.....	Mam. White Cory.....		.....	Everbearing (Thor.).....		.....	Pe-Tsai (Chinese Cabb.).....	
.....	Metropolitan.....		.....	Fordhook Pickling.....		<b>KOHL-RABI</b>		
.....	Golden Bantam.....		.....	Fordhook Famous.....		.....	Early White Vienna.....	
.....	Catawba.....		.....	Gherkin.....		.....	Early White Vienna (frames).....	
.....	Kendel's Giant.....		.....	Giant Pera.....		.....	Early Purple Vienna.....	
.....	Long Island Beauty.....		.....	Green Prolific Pickling.....		.....	Early Purple Vienna (frames).....	
.....	Cosmopolitan.....		.....	Japan Climbing.....		.....	Large White, or Green.....	
.....	Minnesota.....		.....	Klondyke.....		<b>LETTUCE</b>		
.....	Nordheim Extra-Early.....		.....	Lemon.....		.....	American Gathering.....	
.....	Sweet Orange.....		.....	Long Green.....		.....	Big Boston.....	
.....	Peep O'Day.....		.....	Long Green Turkey.....		.....	Buttercup.....	
.....	Premo.....		.....	New Orleans Market.....		.....	California Cream.....	
.....	Perry Hybrid.....		.....	Nicholl's Medium Green.....		.....	Cold Frame Cabbage.....	
.....	Melrose.....		.....	Tailby Hybrid.....		.....	Dencon.....	
.....	Extra-Early Adams.....		.....	White Spine Extra Early.....		.....	Denver Market.....	
.....	Sheffield Early.....		.....	“ “ Improved.....		.....	Emperor Forcing.....	
<b>CORN—SECOND EARLY</b>			.....	“ “ Arlington.....		.....	Giant Crystal Head.....	
.....	Thorb. Ey. White Perfection.....		.....	“ “ Extra Long.....		.....	Glasshouse.....	
.....	Early Champion.....		.....	“ “ Noroton Imp'd.....		.....	Grand Rapids.....	
.....	“ Mammoth.....		<b>DANDELION</b>			.....	Gray-Seeded Butter.....	
.....	Shaker.....		.....	French Garden.....		.....	Hanson.....	
.....	Crosby.....		.....	Improved, Thick-Leaved.....		.....	Hothouse.....	
.....	Potter Excelsior.....		.....	Thick-Leaved, Fullheart.....		.....	Hubbard.....	
.....	Moore Concord.....		.....	Montmagny.....		.....	Iceberg.....	
.....	Early Evergreen.....		<b>EGG-PLANT</b>			.....	Large White-Seeded Butter.....	
.....	Early Adams.....		.....	Imp. N. Y. Spineless.....		.....	Mammoth B. S. Butter.....	
<b>CORN—GENERAL CROP</b>			.....	Black Beauty.....		.....	Market Gard. Priv. Stock.....	
.....	Hickox Improved.....		.....	Early Dwarf Purple.....		.....	Maximum.....	
.....	Large Eight Rowed.....		.....	Florida High Bush.....		.....	May King.....	
.....	Stowell Evergreen.....		.....	Long White.....		.....	Mignonette.....	
.....	Triumph.....		.....	Round White.....		.....	New York Cabbage.....	
.....	White Evergreen.....		.....	Long Purple.....		.....	Oakleaf.....	
<b>CORN—LATE</b>			.....	Black Pekin.....		.....	Passion.....	
.....	Black Mexican.....		.....	Scarlet Chinese.....		.....	Reichner.....	
.....	Henderson's Sugar.....		.....	Striped.....		.....	Rheingold.....	
.....	Late Mammoth.....		<b>ENDIVE</b>			.....	Salamander.....	
.....	Egyptian.....		.....	Green Curled Winter.....		.....	Shotwell Brown Head.....	
.....	Country Gentleman.....		.....	Broad-Leaved (Escarolle).....		.....	Simpson White Seed.....	
.....	Tuscarora.....		.....	De Ruffee.....		.....	“ Black Seed.....	
.....	Sweet Fodder Corn.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Leaved (Escarolle).....		.....	Forward.....	
.....	Forward.....		.....	De Ruffee.....		.....	Forward.....	
.....	Forward.....		.....	White Curled.....		.....	Forward.....	
.....	Forward.....		<b>ENDIVE</b>			.....	Forward.....	
.....	Forward.....		.....	Green Curled Winter.....		.....	Forward.....	
.....	Forward.....		.....	Broad-Le				

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>		
<b>Lettuce—continued</b>			<b>MELON—WATER</b>			<b>Onion—continued</b>		
.....	Tennis Ball White Seed		.....	Alabama Sweet		.....	White Large Portugal	
.....	“ “ Black Seed		.....	Black Diamond		.....	“ Large Globe	
.....	Trocadero		.....	Black Spanish		.....	“ Mam. Garganus	
.....	Yellow Winter		.....	Boss		.....	“ Bermuda	
.....	Bath Cos, Black Seed		.....	Bradford		.....	“ Bermuda Crystal Wax	
.....	Balloon Cos		.....	Blue Gem		.....	“ Paris Silverskin	
.....	Trianon Cos		.....	Citron, Green Seed		.....	“ Tripoli	
.....	Express Cos		.....	“ Red Seed		.....	“ Bunching	
.....	Golden Yellow Cos		.....	Cole's Early		.....	“ Welsh	
.....	Red Cos		.....	Cuban Queen		.....	Yellow Danvers	
.....	White Paris Cos		.....	Dixie		.....	“ Globe Danvers	
<b>LEEK</b>			.....	Early Fordhook		.....	“ Large Globe	
.....	Best Large Flag		.....	Florida Favorite		.....	“ Globe Michigan	
.....	Large Rouen		.....	Halbert's Honey		.....	“ Prizetaker	
.....	Large Carentan		.....	Hungarian Honey		.....	“ Denia	
.....	Musselburgh		.....	Ice Cream White Seed		.....	“ Globe Australian	
<b>MUSHROOM SPAWN</b>			.....	Icing Dark		.....	“ Ailsa Craig	
.....	English		.....	Icing Light		.....	“ Strasburg	
.....	French		.....	Jordan Gray Monarch		.....	Red Large Wethersfield	
.....	American		.....	Jumbo		.....	“ Large Globe	
<b>MELON—MUSK</b>			.....	Kleckley Sweets		.....	“ Early Globe	
.....	Banana Citron		.....	Kolb Gem		.....	“ Early Flat	
.....	Baltimore Market		.....	Mammoth Santiago		.....	“ Australian Brown	
.....	Banquet		.....	“ Iron Clad		.....	“ Bermuda	
.....	Bay View Hybrid		.....	Mountain Sweet		.....	Chives Seed	
.....	Burrell Gem		.....	Phinney		.....	Shallot Seed	
.....	Champion Market		.....	Pride of Georgia		.....	Yel. Potato Onion (Seed)	
.....	Defender		.....	Rattlesnake		<b>ONION SETS, ETC.</b>		
.....	Emerald Gem		.....	Seminole		.....	Yellow Onion Sets	
.....	Hackensack		.....	Sugar Stick		.....	White Onion Sets	
.....	Hackensack Ex.-Early		.....	Sweetheart		.....	Red Onion Sets	
.....	Hybrid Casaba		.....	Tom Watson		<b>OKRA, or GUMBO</b>		
.....	Jenny Lind		.....	Triumph		.....	Dwarf Green Prolific	
.....	Long Island Beauty		.....	Wonderful Sugar		.....	Long Green	
.....	Mango Melon		<b>MUSTARD</b>			.....	White Velvet	
.....	Montreal		.....	Black		.....	Perkin's Mammoth	
.....	Netted Gem, Round		.....	Elephant's Ear		<b>PARSNIP</b>		
.....	“ “ Oblong		.....	White London		.....	Thorburn Hollow Crown	
.....	Nutmeg		.....	Giant Southern Curled		.....	Early Round	
.....	“ Tip Top		.....	Chinese Broad-Leaved		<b>PARSLEY</b>		
.....	Orange Christina		.....	Ostrich Plume		.....	Extra Curled	
.....	Osage		.....	Fordhook Fancy		.....	Moss Curled	
.....	Paul Rose		<b>ONION</b>			.....	Fern-Leaved	
.....	Pomegranate		.....	White Early Barletta		.....	Beauty of the Parterre	
.....	Rocky Ford		.....	“ Queen		.....	Hamburg, or Rooted	
.....	Skillman's Netted Gem		.....	“ Pearl		.....	Glory of Erfurt Turnip Rooted	
.....	Surprise		.....	“ Victoria		.....	Turnip Rooted, Thick Sugar	
.....	Winter Pineapple		<i>Forward</i>			<i>Forward</i>		
.....	<i>Forward</i>		<i>Forward</i>			<i>Forward</i>		

VEGETABLE SEEDS—continued.

Quantity	VARIETIES	Price	Quantity	VARIETIES	Price	Quantity	VARIETIES	Price
		\$ Cts.			\$ Cts.			\$ Cts.
<i>Brought forward</i>			<i>Brought forward</i>			<i>Brought forward</i>		
<b>PEAS—EXTRA-EARLY</b>			<b>Pumpkin—continued.</b>			<b>Radish—continued.</b>		
.....	Thor's Ex-Early Market		.....	Cushaw Golden		.....	Turnip Scarlet White Tip	
.....	First-of-all		.....	“ White		.....	“ “ “ Forc.	
.....	Daniel O'Rourke		.....	Etampes		.....	Turnip Deep Scarlet	
.....	Alaska		.....	Golden Oblong		.....	“ “ “ Forc.	
.....	Gradus		.....	Japan Crookneck		.....	“ Scarlet Gem	
.....	Thomas Laxton		.....	Jonathan		.....	“ Triumph	
.....	American Wonder		.....	Mammoth King		.....	“ Crimson Giant	
.....	Little Gem		.....	“ Tours		.....	“ Scarlet Globe Forcing	
.....	Nott's Excelsior		.....	Quaker Pie		.....	“ Non Plus Ultra	
.....	Premium Gem		.....	Tennessee Sweet Potato		.....	“ White or Box	
.....	Peter Pan		.....	Winter Luxury		.....	“ Large White Summer	
.....	Saxonia		<b>SEED POTATOES—EARLY</b>			.....	“ Golden	
.....	Sutton's Excelsior		.....	Noroton Beauty		.....	Olive-Shaped, French Blfat	
.....	Wm. Hurst		.....	The Thorburn		.....	“ Golden Yellow	
<b>PEAS—EARLY AND MED.</b>			.....	Beauty of Hebron		.....	“ White Forcing	
.....	Everbearing		.....	Bovee		.....	“ Deep Scarlet	
.....	McLean Advancer		.....	True Early Rose		.....	“ Deep Scarlet	
.....	Abundance		.....	Irish Cobbler		.....	“ Forcing	
.....	Horsford Market-Garden		.....	Bliss Triumph		.....	“ Deep Scarlet	
.....	Pride of the Market		<b>SEED POTATOES—INTERMEDIATE AND LATE</b>			.....	White Tip	
.....	Champion of England		.....	Carman No. 1		.....	Half-long Delicacy	
.....	Dwarf Champion		.....	Rural New Yorker		.....	“ “ Deep Scarlet	
.....	Duke of Albany		.....	Sir Walter Raleigh		.....	“ “ White Forcing	
.....	Heroine		.....	Uncle Sam		.....	Long Scarlet Short Top	
.....	Shropshire Hero		.....	Green Mountain		.....	“ Brightest Scarlet	
.....	Sutton's Dwarf Defiance		.....	Gold Coin		.....	“ Chartier	
.....	Yorkshire Hero		<b>PEPPER</b>			.....	“ Cincinnati Market	
<b>PEAS—MAIN AND LATE</b>			.....	Bell, or Bull Nose		.....	“ Wood Frame	
.....	Admiral Dewey		.....	Cayenne Long Red		.....	“ White Naples	
.....	Juno		.....	Celestial		.....	“ “ Vienna	
.....	Stratagem		.....	Chinese Giant		.....	“ Icicle	
.....	Telegraph		.....	Golden Queen Mam		.....	Round Scarlet China	
.....	Telephone		.....	Neapolitan		.....	White Strasburg	
.....	White Marrowfat		.....	Red Cherry		.....	“ Stuttgart	
.....	Black-Eyed Marrowfat		.....	Red Chili		.....	Winter Scarlet Chinese	
<b>PEAS—SUGAR (Edible Pods)</b>			.....	Red Cluster		.....	“ Half-Long Bl'k Span.	
.....	Dwarf Sugar		.....	Ruby King		.....	“ Oval Black Spanish	
.....	Luscious Sugar		.....	Squash		.....	“ Round Black Spanish	
.....	Mam. Gray-Seeded Sugar		.....	Sweet Mountain		.....	“ Cal. White Mam	
<b>PUMPKIN</b>			.....	Sweet Spanish		.....	“ Celestial	
.....	Early Sugar		.....	Tabasco		.....	Sakurajima Mam. Japan	
.....	Calhoun		.....	Upright Sweet Salad		.....	Raphanus Caudatus	
.....	Cheese		<b>RADISH</b>			<b>RHUBARB</b>		
.....	Cheese, Kentucky		.....	Turnip Scarlet		.....	Victoria	
.....	Connecticut Field		.....	“ “ Forcing		.....	Crimson Winter	
.....	Cushaw Striped		.....	“ “ Giant Butter		.....	Roots	
.....	<i>Forward</i>		<i>Forward</i>			<i>Forward</i>		
.....	<i>Forward</i>		<i>Forward</i>			<i>Forward</i>		

VEGETABLE SEEDS—continued.

Table with 6 columns: Quantity, VARIETIES, Price, Quantity, VARIETIES, Price. Includes sections for SALSIFY, SORREL, SPINACH, SQUASH—Bush Varieties, SQUASH—Running Varieties, TOMATO, and TURNIP.

VEGETABLE SEEDS—continued.

Table with 6 columns: Quantity, VARIETIES, Price, Quantity, VARIETIES, Price. Includes sections for HERBS, ETC., and various herb varieties like Basil, Borage, and Dill.

Grass Seed and Miscellaneous Seeds, Tools, Fertilizers, Insecticides, Etc.

Table with 6 columns: Quantity, ARTICLES, Price, Quantity, ARTICLES, Price. Includes a 'Brought forward' entry and a 'Total' entry at the bottom.





